24301 – Bartons Road, Havant PO9 5TE
PAS 128 Type D - Desktop Utility Record Search

mksurveys
FOUNDATIONS FOR THE FUTURE

Client

Homes & Communities Agency

04/09/2017

Project Details

Project Number	Revision	Date	Collated By	Approved By
24301	-	04/09/2017	NEL	GL

Site Name	Client
Bartons Road, Havant, Hampshire PO9 5TE	Homes and Communities Agency

Grid Reference		
	Eastings	472611
	Northings	108024

Revisions

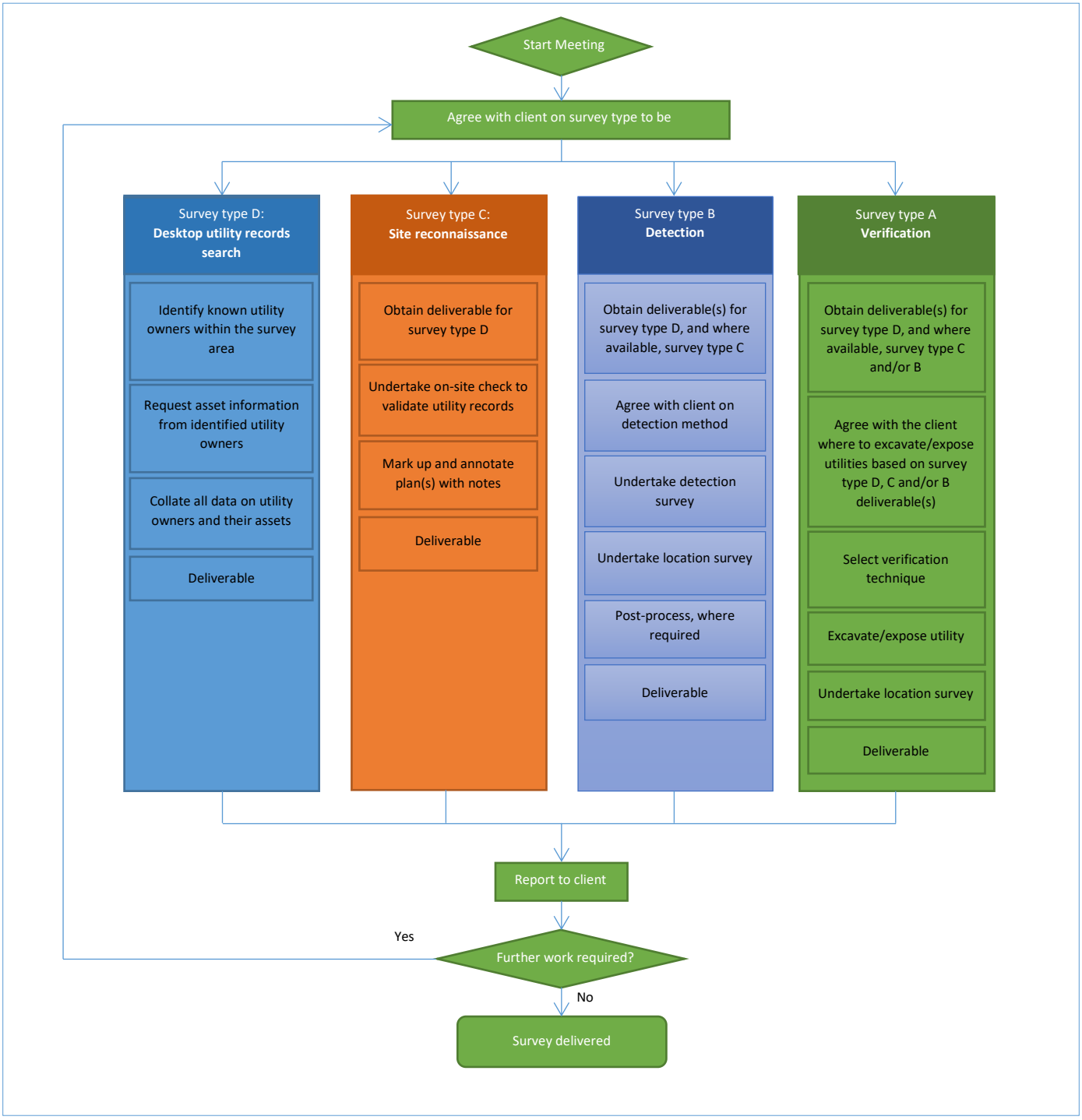
Revision	Description	Amended By	Approved By	Date
-	-	-	-	-

This desktop utility record search (survey type D) has been undertaken in accordance with the standards set out in the PAS 128:2014 document published by BSI. Local knowledge and historical private record sources are also invaluable to ensuring that as complete a search as possible is provided, should you be aware of any further sources of information, please provide contacts for us to pursue further. The results of this search are not infallible and it is strongly recommended that a detection survey is undertaken to verify the information contained within this report. For further information please contact MK Surveys.

PAS 128:2014 Guidelines

The below table is guidance relating to the process for utility detection, location and verification as set out by the PAS 128:2014 document. This document fulfils all the criteria for a survey type D – desktop utility records search. For more information relating to the other survey types please contact MK Surveys for further information.

Figure 1 – PAS 128 process flowchart



Permission to reproduce Figure 1 from PAS 128:2014 is granted by BSI Standards Limited (BSI). No other use of this material is permitted. The complete British Standard can be purchased from the BSI online shop: http://shop.bsigroup.com/ProductDetail/?pid=000000000030267400

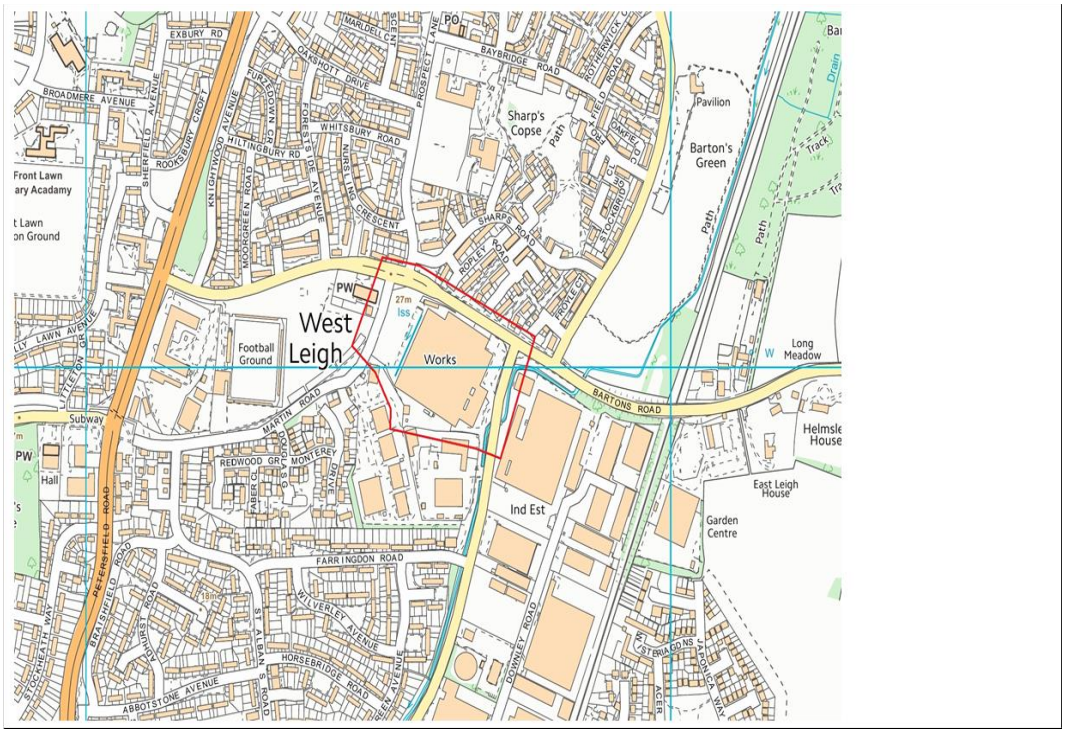
Attachments

Affected Statutory Undertakers		
Undertakers Name	**Service Type**	**Date Received**
SSE Energy	Electricity	31/08/2017
Southern Gas Networks	Gas	31/08/2017
Openreach	Telecom	31/08/2017
Portsmouth Water	Water (Clean)	15/08/2017
Southern Water	Water (Waste)	09/08/2017
BSkyB Telecommunications	Communications	07/08/2017
Vodafone Ltd	Communications	30/08/2017
Virgin Media	CATV	07/08/2017
GTC	New Installations	31/08/2017
LSBUD	Tunnels & Pipelines	09/08/2017

Non Affected Statutory Undertakers		
Undertakers Name	**Service Type**	**Date Received**
Colt	Communications	14/08/2017
euNetworks	Communications	14/08/2017
Instalcom (incl. Level 3/ Global Crossing UK / Global Crossing PEC/ Fibrenet UK/ FibreSpan)	Communications	10/08/2017
Interoute (Incl. 51 Degrees)	Communications	04/08/2017
KPN/TATA	Communications	04/09/2017
TeliaSonera	Communications	14/08/2017
Verizon	Communications	04/08/2017
Energetics	New Installations	07/08/2017
Network Rail	Transport	07/08/2017
Trafficmaster	Transport	11/08/2017
Environment Agency	Tunnels & Pipelines	05/08/2017

No Response Received from Statutory Undertakers		
Undertakers Name	**Service Type**	**Date Received**
City Fibre	Communications	N/A
Clear Channel	Communications	N/A
Engie	Communications	N/A
KCOM (Hull and East Yorkshire only)	Communications	N/A
KPN/TATA	Communications	N/A
SSE Neos Networks	Communications	N/A
Vtesse	Communications	N/A
Crossrail	Transport	N/A
Docklands Light Rail	Transport	N/A
London Underground	Transport	N/A
LUL HV Power Assets	Transport	N/A
Transport for London	Transport	N/A
BT Deep Level Tunnels	Tunnels & Pipelines	N/A
Thames Tunnel	Tunnels & Pipelines	N/A
Thames Water Ring Main	Tunnels & Pipelines	N/A

Location Plan



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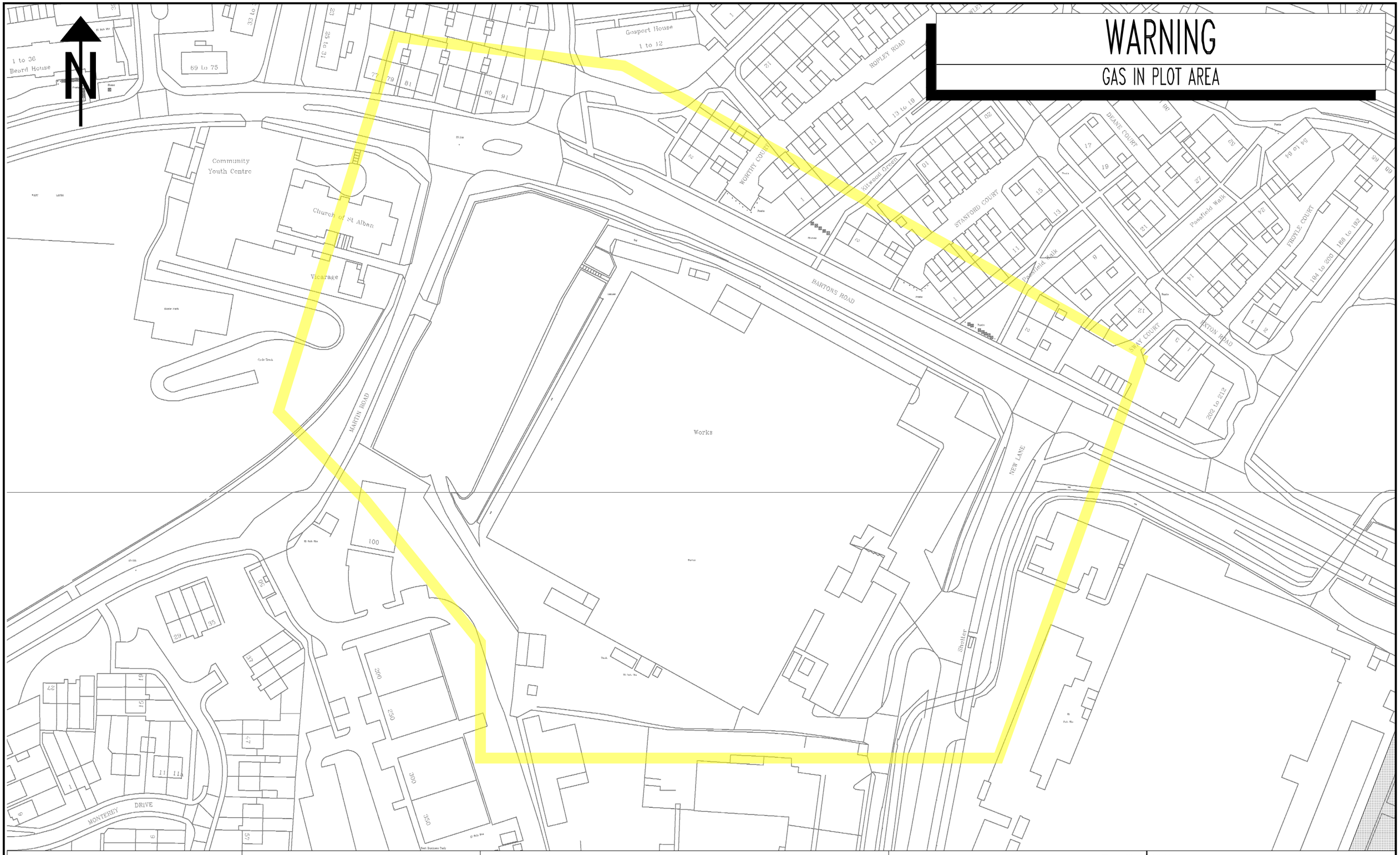
Cautionary Notes

1. As per the guidelines stated within the PAS 128:2014 record plans older than 90 days are classed as historical. It is not advised to rely upon the information contained within this report after a period of 90 days.
2. All record information is indicative only and should be confirmed by detection methods wherever possible.
3. 'Pot-ended' cables are not always shown on record plans.
4. Only public services are generally shown on the record plans. It remains possible that there are additional privately owned pipes, ducts and cables within the search area. Therefore you should:
    a. Assume all buildings have gas, clean and waste water, electricity, and telecom connections unless proven otherwise.
    b. Services to all buildings should be assumed live until proven otherwise regardless of its age, condition or state of vacancy.
    c. All parcels of land (public and private) regardless of vacancy or current state should be deemed to have live services contained within it unless proven otherwise.
5. All utilities shown on the plans should be considered live unless confirmed otherwise by client or service provider.
6. MK Surveys cannot confirm when utilities are redundant unless there is visual or record evidence to indicate this.
7. MK Surveys cannot guarantee being able to identify all providers who have apparatus within the vicinity.
8. It should be noted that the completeness and accuracy of the records cannot be guaranteed.
9. The responsibility for avoiding damage to assets and utilities on site shall be that of the persons proposing to excavate within the surveyed area, who shall be liable to the asset owner and any third party who may be affected in any way for any loss or damage.

ELECTRICITY

WARNING

GAS IN PLOT AREA



NORMAL DEPTH TO THE TOP OF THE PIPE WHEN LAID			
MAINS		SERVICES	
FOOTPATH	0.60m	PRIVATE	0.375m
VERGE	0.75m	PUBLIC	0.45m
ROAD	0.75m		

WARNING

There may have been subsequent alterations to the surface levels. Trial holes must be taken to determine positions and depth of cables. HS (G) 47 Booklet from the Health and Safety Executive – Avoiding Danger from Buried Cables – should be consulted before commencing excavation work. (available from the HSE)

WHEN WORKING IN THE VICINITY OF OVERHEAD LINES THE HEALTH AND SAFETY GUIDANCE NOTE GS6 SHOULD BE CONSULTED. (AVAILABLE FROM THE HSE)

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Template: SIAS NRSWA COL A3 plot GAS

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Registered in England and Wales No. 02742721
Registered Office :
One London wall,
London
EC2Y 5AB.

Mksurveys 24301

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indigo pipelines

gas_1250_500

PORTSMOUTH
023-9262-4200

Grid Ref: su72610802

Scale: 1:1250

Date: 31/08/2017

GAS

WARNING

GAS IN PLOT AREA

NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID				
	services	l.v.	h.v.	e.h.v.
FOOTPATH	0.40m	0.45m	0.60m	0.75m
ROAD CROSSING	0.60m	0.60m	0.75m	0.90m

l.v./services – up to 1000V.
h.v. – over 1000V. to 11,000V.
e.h.v. – 22,000V. to 132,000V.

WARNING

There may have been subsequent alterations to the surface levels. Trial holes must be taken to determine positions and depth of cables. HS (G) 47 Booklet from the Health and Safety Executive – Avoiding Danger from Buried Cables – should be consulted before commencing excavation work. (available from the HSE)

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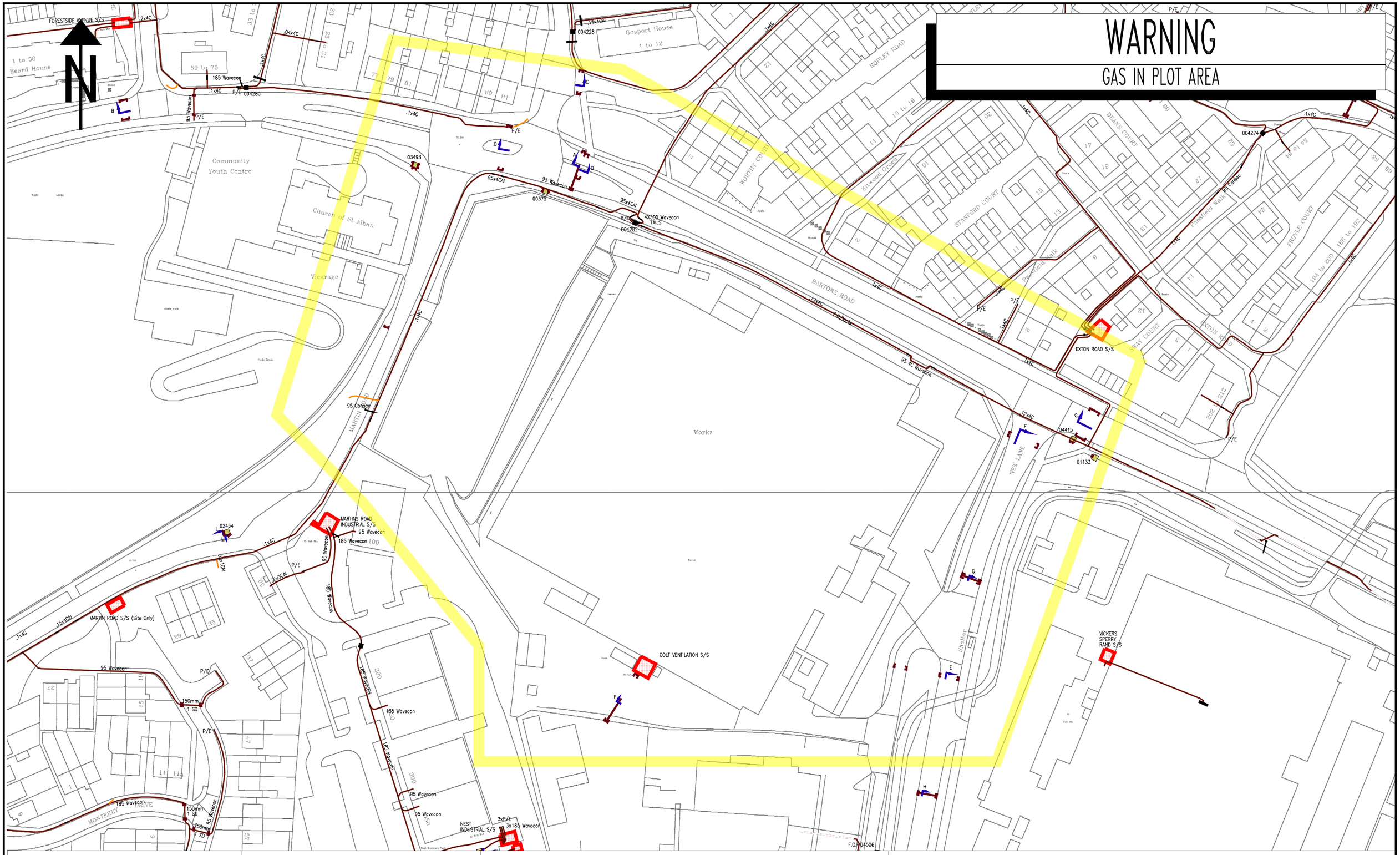
hv_1250_500

PORTSMOUTH
023-9262-4200

Grid Ref: su72610802
Scale: 1:1250
Date: 31/08/2017
HV

WARNING

GAS IN PLOT AREA



NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID				
	services	l.v.	h.v.	e.h.v.
FOOTPATH	0.40m	0.45m	0.60m	0.75m
ROAD CROSSING	0.60m	0.60m	0.75m	0.90m

l.v./services – up to 1000V.
h.v. – over 1000V. to 11,000V.
e.h.v. – 22,000V. to 132,000V.

WARNING

There may have been subsequent alterations to the surface levels. Trial holes must be taken to determine positions and depth of cables. HS (G) 47 Booklet from the Health and Safety Executive – Avoiding Danger from Buried Cables – should be consulted before commencing excavation work. (available from the HSE)

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lv_1250_500

PORTSMOUTH
023-9262-4200

Grid Ref: su72610802
Scale: 1:1250
Date: 31/08/2017
LV

Watch it!

Safety advice brought to you by
Scottish and Southern Electricity Networks

These notes are intended to help all those who have to work in the vicinity of electrical apparatus. Employers have a legal obligation to ensure that their operatives are fully instructed in the correct procedures.

The Electricity at Work Regulations 1989 impose health and safety requirements upon employers, employees and self-employed persons with respect to electricity at work. The regulations impose restrictions on persons being engaged in work activities on or near live conductors.

Regulation 14 requires that: "No person shall be engaged in any work activity on or near any live conductor (other than one suitably covered with insulating material so as to prevent danger) that danger may arise unless:

- it is **unreasonable** in all circumstances for it to be dead; and
- it is **reasonable** in all circumstances for him to be at work on or near it while it is live; and
- suitable precautions (including where necessary the provision of suitable protective equipment) are taken to prevent injury."

The purpose of the regulations is to require precautions to be taken against the risk of death or personal injury from electricity in work activities.

Publications

The Health and Safety Executive have produced a document entitled 'Avoiding Danger from Underground Services', and the Appendix 1 deals specifically with electric cables. Copies are available from the HSE's Accredited Agents and good booksellers, Ref. HS (G) 47.

Copies of Health and Safety Guidance note GS 6 relating to safe working in proximity to overhead lines, are available from the Health and Safety Executive's website - www.hse.gov.uk.

Note

In situations of emergency or danger, or where the advice contained in these notes cannot be followed, you must consult Scottish and Southern Electricity Networks immediately. Tel. 08457 708090 for southern England or 0800 300999 for Scotland.

Additional copies of these "Watch it!" leaflets can be obtained from our Asset Data Team office upon request. Tel. 01256 337294, or Fax 01256 337295.

You must read and accept the following safety notes as part of the contract to receive our network plans. You will have the option to print these and issue them to site staff.

Watch it! - Working in the vicinity of underground cables

Our plans show the positions and normal depths for the buried cables and pipes at the time when they were installed. However, alterations to road alignments surface levels and buildings may have occurred subsequently without our knowledge. If you discover plant or cables that are not marked or incorrectly marked, then you are required to contact us as soon as possible to give us the opportunity to amend our plans.

These plans show the equipment owned by Scottish and Southern Electricity Networks. There may be other privately owned plant in the area, which is outside of our control. You should always check with the Local Authority, National Grid Company, Department of the Environment, other Electricity Companies and other utilities before proceeding.

It is not intended that the issue of these plans will absolve either party from their obligation under any of the acts that control digging in the public highways.

Supplies To Properties, etc.

The location of cables supplying individual properties, street lighting, traffic signs, telephone kiosks etc. are not always shown on the plans. You should assume that each property, streetlight etc. will have its own supply cable.

Major Circuits

Where our plans indicate the presence of cables with a voltage exceeding 11,000 volts, you are advised to contact our local depot (telephone number is on the plans), before commencing any excavations within the vicinity of these cables. These major circuits form an extremely important link in Scottish and Southern Electricity Networks' networks, and damaging or modifying these circuits is a major and costly undertaking. Any development should therefore be designed to allow these circuits to remain undisturbed and accessible in their present location.

For your own and your workmates' safety, please follow the **do's** and **don'ts** listed below:

- ✓ **do** make sure you have plans of the underground cables in the area **before** any excavation work starts. Remember that some cables may not be shown on plans. If carrying out emergency work, excavate as though there are buried live cables in the vicinity.
- ✓ **do** use a cable locator to determine the position of existing cables in the work area. The positions should be marked and tests made as work proceeds. **If in doubt, get advice from your supervisor.**
- ✓ **do** ask for a cable to be made dead if it is buried in concrete.
- ✓ **do** watch for signs of cables as work progresses. Note any marker-tape or cable-cover, which may be exposed

- ✓ **do** backfill carefully, using stone-free soil around the cables, replacing marker-tapes and / or covers.
- ✓ **do** notify us immediately if you accidentally damage our cables. Arrange to keep people well clear of a cable that has been damaged until we have confirmed it has been made safe.
- ✓ **do** make sure before starting to demolish a building that all cables have been disconnected. We welcome prior notice of the intention to demolish buildings. This enables us to ensure that the site has been made safe electrically.
- ✓ **don't** operate a bulldozer, scraper, dragline or excavator; unless you are satisfied that there are no buried cables in the working area.
- ✓ **don't** use picks, pins, forks or pointed instruments in soft clay or soil when cables are present. Exercise extreme caution where such instruments are used to free lumps of stone, or break up firmly compacted ground. **Never** throw a fork or sharp instrument into the ground.
- ✓ **don't** dig trial holes over the indicated route of the cable. Excavate alongside instead.
- ✓ **don't** use exposed cables as a convenient step or handhold.
- ✓ **don't** handle or attempt to alter the position of any cable.

Remember that a damaged cable may cause extensive loss of supplies, make expensive repairs necessary and cause serious or even fatal injury.

If effective measures are not adopted to protect our equipment, we will take steps to recover the cost of any damage caused. Persons causing damage resulting in loss of supply to customers can be held legally responsible for any claims made by those customers. Promptness in reporting an incident will minimise costs.

In most cases it is not practicable to make cables dead without interrupting supplies to our customers. But given adequate notice, we will wherever possible, give advice regarding special precautions which may be necessary on any site where particular problems are likely to be encountered. The right is reserved to make a charge for this service.

Electricity cables can exist anywhere - under paths or roads, in gardens or driveways, on new housing or industrial development sites or even farmland.

Watch it! - Working in the vicinity of overhead lines

For your own and your workmates' safety, please follow the **do's** and **don'ts** listed below

- ✓ **do** carefully note the position of all overhead lines before commencing work.
- ✓ **do** co-operate with us during planning and sitework stages.
- ✓ **do** follow the advice given in HSE Guidance Note GS 6 when siting barriers, goal posts, bunting etc.
- ✓ **do** keep overhead lines in view when moving scaffolding or machinery and take special care when felling or lopping trees.
- ✓ **do** remember that the raising or slewing of a crane or excavator jib may cause danger when operating near an overhead line.
- ✓ **do** avoid any machinery that is in contact with an overhead line until we confirm that conditions are safe.
- ✓ **do** warn others to keep well clear.
- ✓ **don't** drive a high vehicle below an overhead line when an alternative route is available.
- ✓ **don't** raise the bed of a tipper lorry beneath an overhead line or drive under the line with the body of the vehicle raised.
- ✓ **don't** steady any suspended load until you are satisfied that there is no danger from overhead lines.
- ✓ **don't** handle or use scaffold platforms, poles, pipes or ladders unless they are at a safe distance from overhead lines.
- ✓ **don't** transport long objects beneath overhead lines, unless they are carried in a horizontal position.
- ✓ **don't** approach or touch any broken or fallen overhead lines.

Always remember that:

- Electricity can jump gaps.
- Contact or near contact with a crane jib, scaffold or ladder can cause a discharge of electricity with a risk of fatal or severe shock and burns to any person in the vicinity.

If effective measures are not adopted to protect our equipment, we will take steps to recover the cost of any damage caused. Persons causing damage resulting in loss of supply to customers can be held legally responsible for any claims made by those customers. Promptness in reporting an incident will minimise costs.

In most cases it is not practicable to make overhead lines dead without interrupting supplies to customers. However, provided adequate notice is given, then we will, whenever possible, give advice regarding special precautions which may be necessary on site where specific problems may be encountered. The right is reserved to make a charge for this service.

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GAS

Our Ref: 10988130 Your Ref: 24301

Thursday, 31 August 2017

Nicole Livie
1 Potters Lane Kiln Farm
Milton Keynes
Buckinghamshire
NN11 3HE

Dear Nicole Livie

Thank you for your enquiry dated Thursday, 31 August 2017

Please find an extract from our mains records for your proposed work area, any SGN assets are described in the map legend. **On some occasions blank maps may be sent to you, this is due to your proposed work being in a no gas area but within our operational boundaries.**

This mains record only shows the pipes owned by SGN in our role as a Licensed Gas Transporter (GT). Please note that privately owned gas pipes or pipes owned by other GTs may be present in this area and information regarding those pipes needs to be requested from the owners. If we know of any other pipes in the area we will note them on the plans as a shaded area and/or a series of x's.

The information shown on this plan is given without obligation or warranty and the accuracy cannot be guaranteed. Service pipes, valves, siphons, stub connections etc. are not shown but their presence should be anticipated. Your attention is drawn to the information and disclaimer on these plans. The information included on the plan is only valid for 28 days.

On the mains record you may see the low/medium/intermediate pressure gas main near your site. There should be no mechanical excavations taking place above or within 0.5m of a low/medium pressure system or above or within 3.0m of an intermediate pressure system. You should, where required confirm the position using hand dug trial holes.

A colour copy of these plans and the gas safety advice booklet enclosed should be passed to the senior person on site in order to prevent damage to our plant and potential direct or consequential costs to your organisation.

Safe digging practices in accordance with HSE publication HSG47 "Avoiding Danger from Underground Services" must be used to verify and establish the actual position of the mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that this information is provided to all relevant people (direct labour or contractors) working for you on or near gas pipes.

It must be stressed that both direct and consequential damage to gas plant can be dangerous for your employees and the general public and repairs to any such damage will incur a charge to you or the organisation carrying out work on your behalf. Your works should be carried out in such a manner that we are able to gain access to our apparatus throughout the duration of your operations.

If you require any further information please do not hesitate to contact us.

Yours sincerely,
The Safety Admin Team
For more information, visit our Dig Safely pages on sgn.co.uk
Tel: 0800 912 1722



Warning: PDF designed for colour print only with no page scaling.

SGN
Your gas. Our network.

Low Pressure Mains
Medium Pressure Mains
Intermediate Pressure Mains
High Pressure Mains
History Data
LAs
GTs
SSSIs
Some Examples Of Plant Items
Valve
Syphon
Depth of Cover
Diameter Change
Material Change

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Linesearch before dig

Contact Us

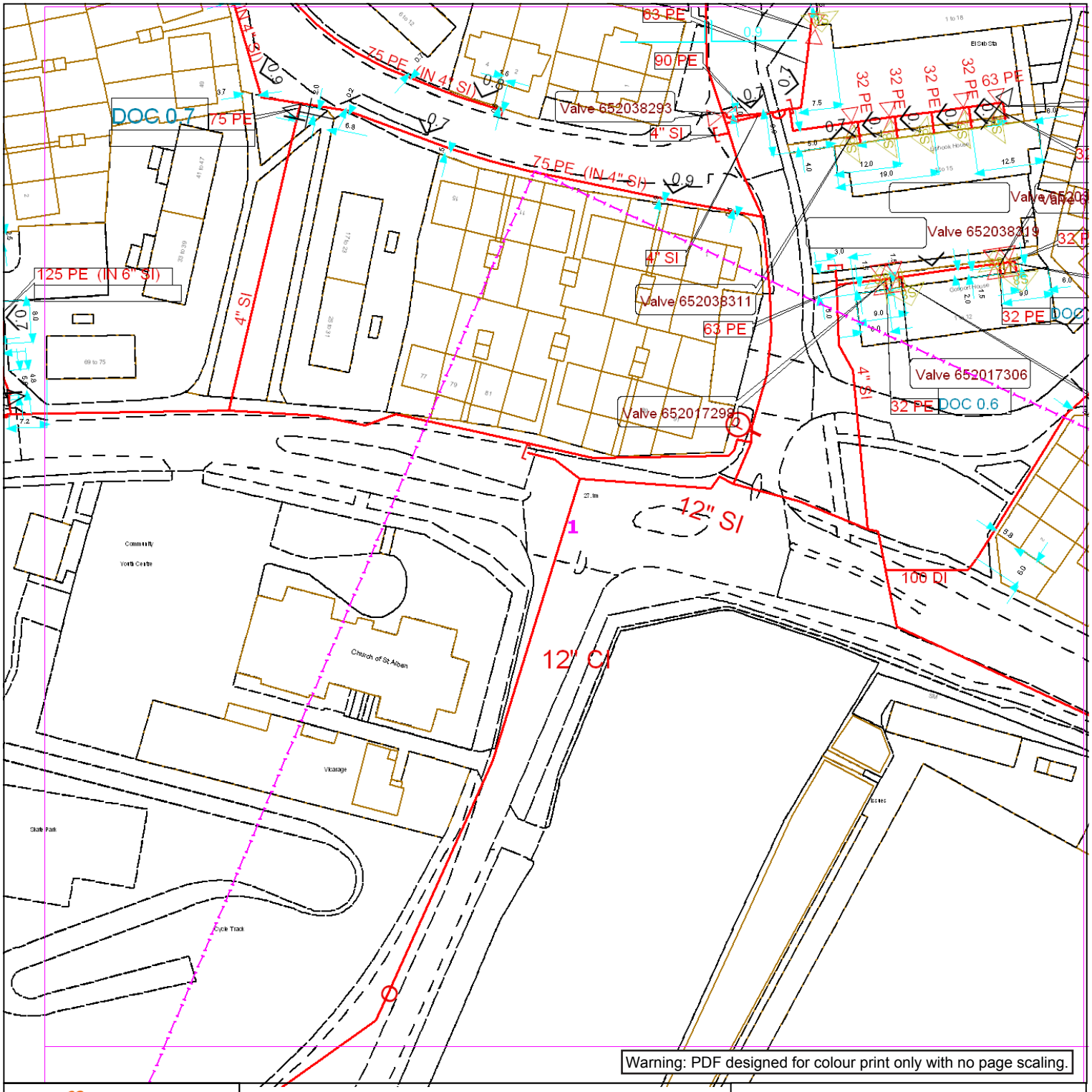
SGN Safety Admin Team:
0800 912 1722
Email:
plantlocation@sgn.co.uk

Date Requested: 31/08/2017
Job Reference: 10988130
Site Location: 472615 108028
Requested by:
Mrs Nicole Livie
Your Scheme/Reference:
24301

This plan shows the location of those pipes owned by Scotia Gas Networks (SGN) by virtue of being a licensed Gas Transporter (GT). Gas pipes owned by other GTs or third parties may also be present in this area but are not shown on this plan. Information with regard to such pipes should be obtained from the relevant owners. No warranties are given with regard to the accuracy of the information shown on this plan. Service pipes, valves, siphons, sub-connections etc. are not shown but their presence should be anticipated. You should be aware that a small percentage of our pipes/assets may be undergoing review and will temporarily be highlighted in yellow. If your proposed works are close to one of these pipes, you should contact the SGN Safety Admin Team on 0800 912 1722 for advice. No liability of any kind whatsoever is accepted by SGN or its agents, servants or sub-contractors for any error or omission contained herein. Safe digging practices, in accordance with HS (G)47, must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that plant location information is provided to all persons (whether direct labour or sub-contractors) working for you on or near gas apparatus. Information included on this plan should not be referred to beyond a period of 28 days from the date of issue.

Report damage immediately – KEEP EVERYONE AWAY FROM THE AREA
0800 111 999

This plan is reproduced from or based on the OS map by Scotia Gas Networks plc, with the sanction of the controller of HM Stationery Office. Crown Copyright Reserved. Southern Gas – 100044373 and Scotland Gas – 100044366.



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SGN
Your gas. Our network.

Low Pressure Mains
Medium Pressure Mains
Intermediate Pressure Mains
High Pressure Mains
History Data
LAs
GTs
SSSIs

Some Examples Of Plant Items

Valve | Syphon | Depth of Cover | Diameter Change | Material Change

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Linesearch before Udig

Contact Us

SGN Safety Admin Team:
0800 912 1722
Email:
plantlocation@sgn.co.uk

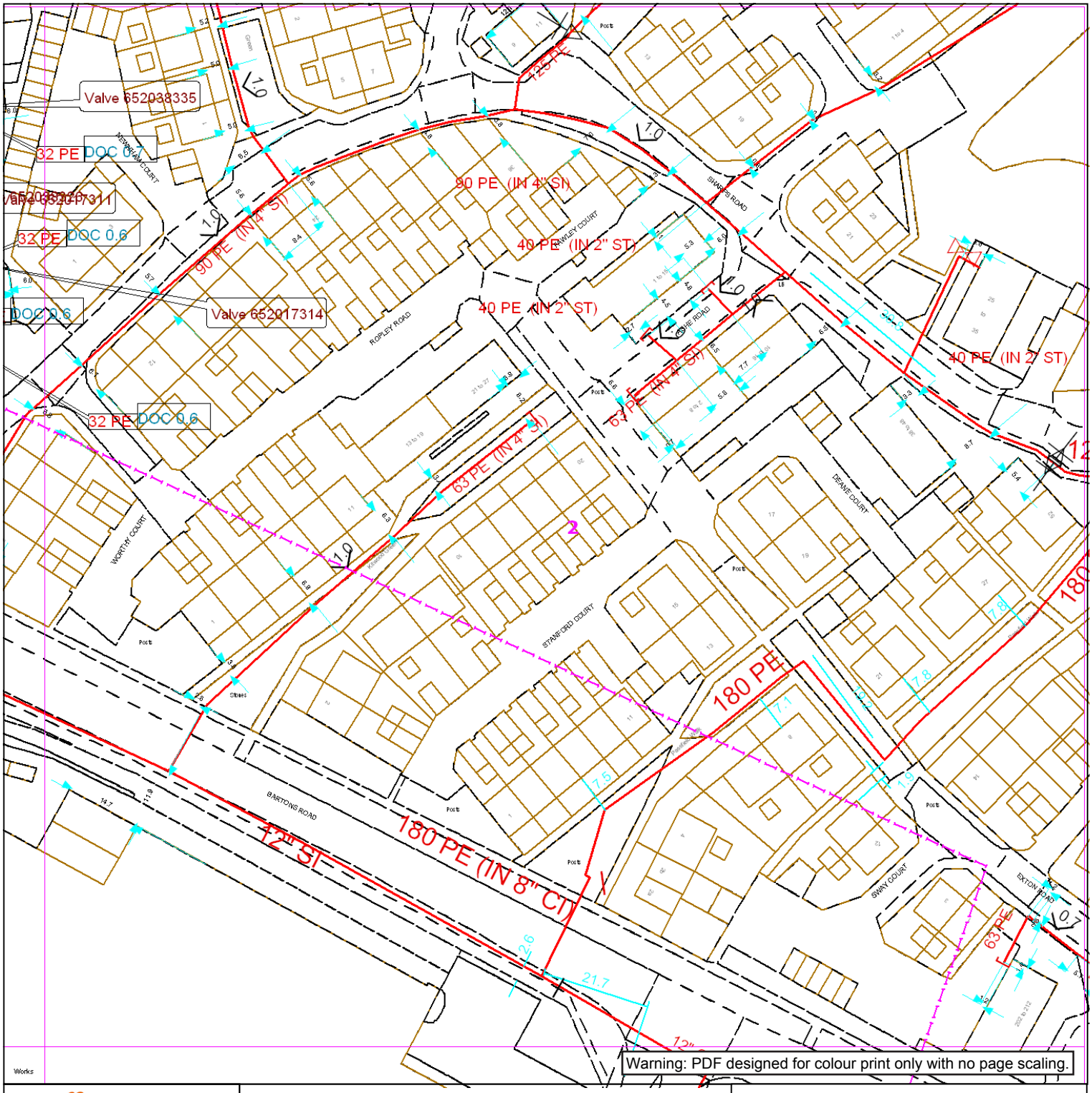
Date Requested: 31/08/2017
Job Reference: 10988130
Site Location: 472615 108028
Requested by:
Mrs Nicole Livie
Your Scheme/Reference:
24301

Exact Scales:
1:1000 Area or Circle dig site
1:1000 Line dig site

This plan shows the location of those pipes owned by Scotia Gas Networks (SGN) by virtue of being a licensed Gas Transporter (GT). Gas pipes owned by other GTs or third parties may also be present in this area but are not shown on this plan. Information with regard to such pipes should be obtained from the relevant owners. No warranties are given with regard to the accuracy of the information shown on this plan. Service pipes, valves, siphons, sub-connections etc. are not shown but their presence should be anticipated. You should be aware that a small percentage of our pipes/assets may be undergoing review and will temporarily be highlighted in yellow. If your proposed works are close to one of these pipes, you should contact the SGN Safety Admin Team on 0800 912 1722 for advice. No liability of any kind whatsoever is accepted by SGN or its agents, servants or sub-contractors for any error or omission contained herein. Safe digging practices, in accordance with HS (G)47, must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that plant location information is provided to all persons (whether direct labour or sub-contractors) working for you on or near gas apparatus. Information included on this plan should not be referred to beyond a period of 28 days from the date of issue.

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SGN
Your gas. Our network.

Contact Us

SGN Safety Admin Team:
0800 912 1722
Email:
plantlocation@sgn.co.uk

Low Pressure Mains
Medium Pressure Mains
Intermediate Pressure Mains
High Pressure Mains
History Data
LAs
GTs
SSSIs

Some Examples Of Plant Items

Valve | Syphon | Depth of Cover | Diameter Change | Material Change

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Linesearch before dig

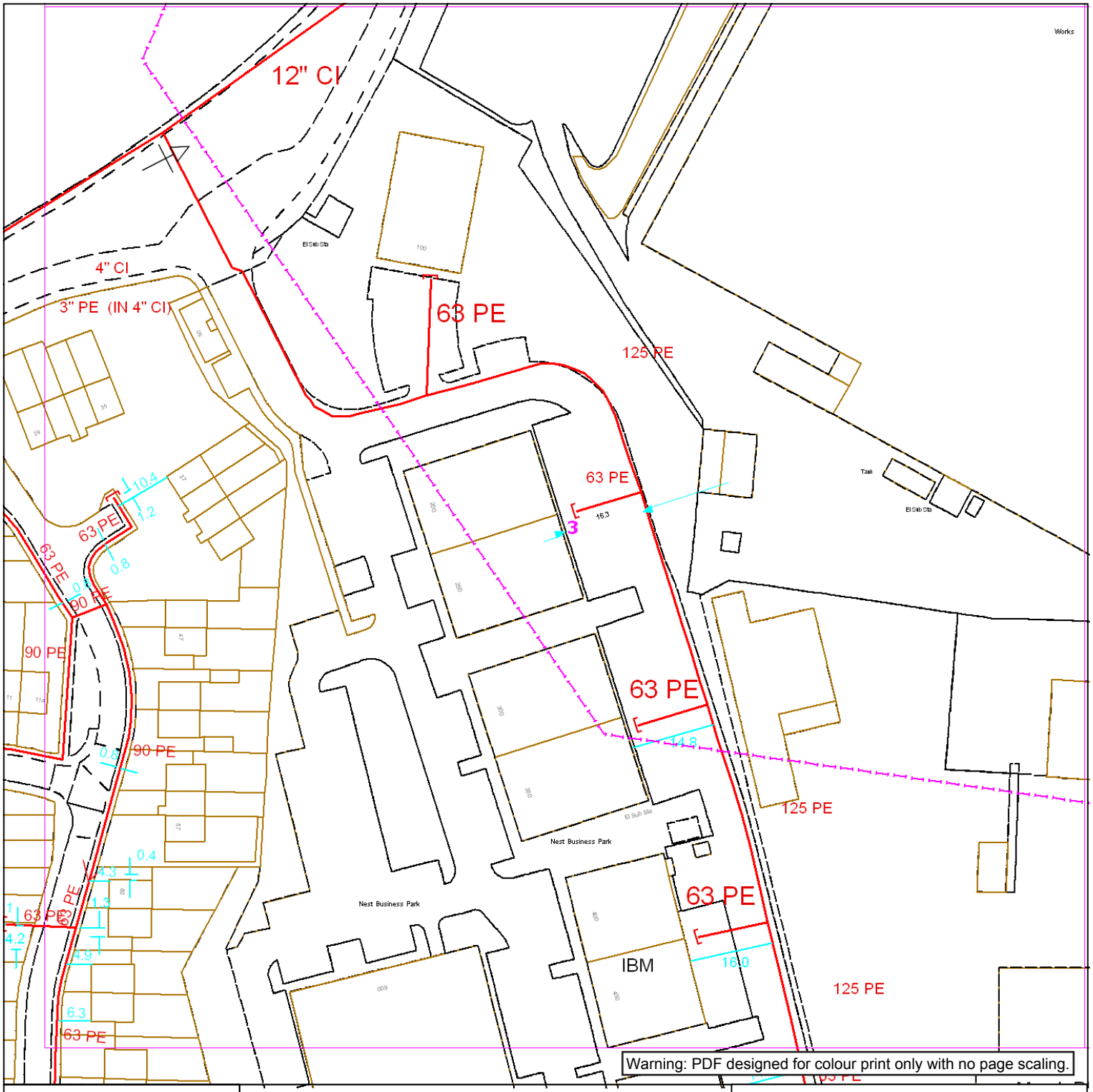
Date Requested: 31/08/2017
Job Reference: 10988130
Site Location: 472615 108028
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1:1000 Area or Circle dig site
1:1000 Line dig site

This plan shows the location of those pipes owned by Scotia Gas Networks (SGN) by virtue of being a licensed Gas Transporter (GT). Gas pipes owned by other GTs or third parties may also be present in this area but are not shown on this plan. Information with regard to such pipes should be obtained from the relevant owners. No warranties are given with regard to the accuracy of the information shown on this plan. Service pipes, valves, siphons, sub-connections etc. are not shown but their presence should be anticipated. You should be aware that a small percentage of our pipes/assets may be undergoing review and will temporarily be highlighted in yellow. If your proposed works are close to one of these pipes, you should contact the SGN Safety Admin Team on 0800 912 1722 for advice. No liability of any kind whatsoever is accepted by SGN or its agents, servants or sub-contractors for any error or omission contained herein. Safe digging practices, in accordance with HS (G)47, must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that plant location information is provided to all persons (whether direct labour or sub-contractors) working for you on or near gas apparatus. Information included on this plan should not be referred to beyond a period of 28 days from the date of issue.

Report damage immediately – KEEP EVERYONE AWAY FROM THE AREA
0800 111 999

This plan is reproduced from or based on the OS map by Scotia Gas Networks plc, with the sanction of the controller of HM Stationery Office. Crown Copyright Reserved. Southern Gas – 100044373 and Scotland Gas – 100044366.



Warning: PDF designed for colour print only with no page scaling.

SGN
Your gas. Our network.

Low Pressure Mains
Medium Pressure Mains
Intermediate Pressure Mains
High Pressure Mains
History Data
LAs
GTs
SSSIs

Some Examples Of Plant Items

Valve | Syphon | Depth of Cover | Diameter Change | Material Change

Warning: PDF is designed for colour print only, with no page scaling. This information is given as a guide only and its accuracy cannot be guaranteed.

Linesearch before Udig

Contact Us

SGN Safety Admin Team:
0800 912 1722
Email:
plantlocation@sgn.co.uk

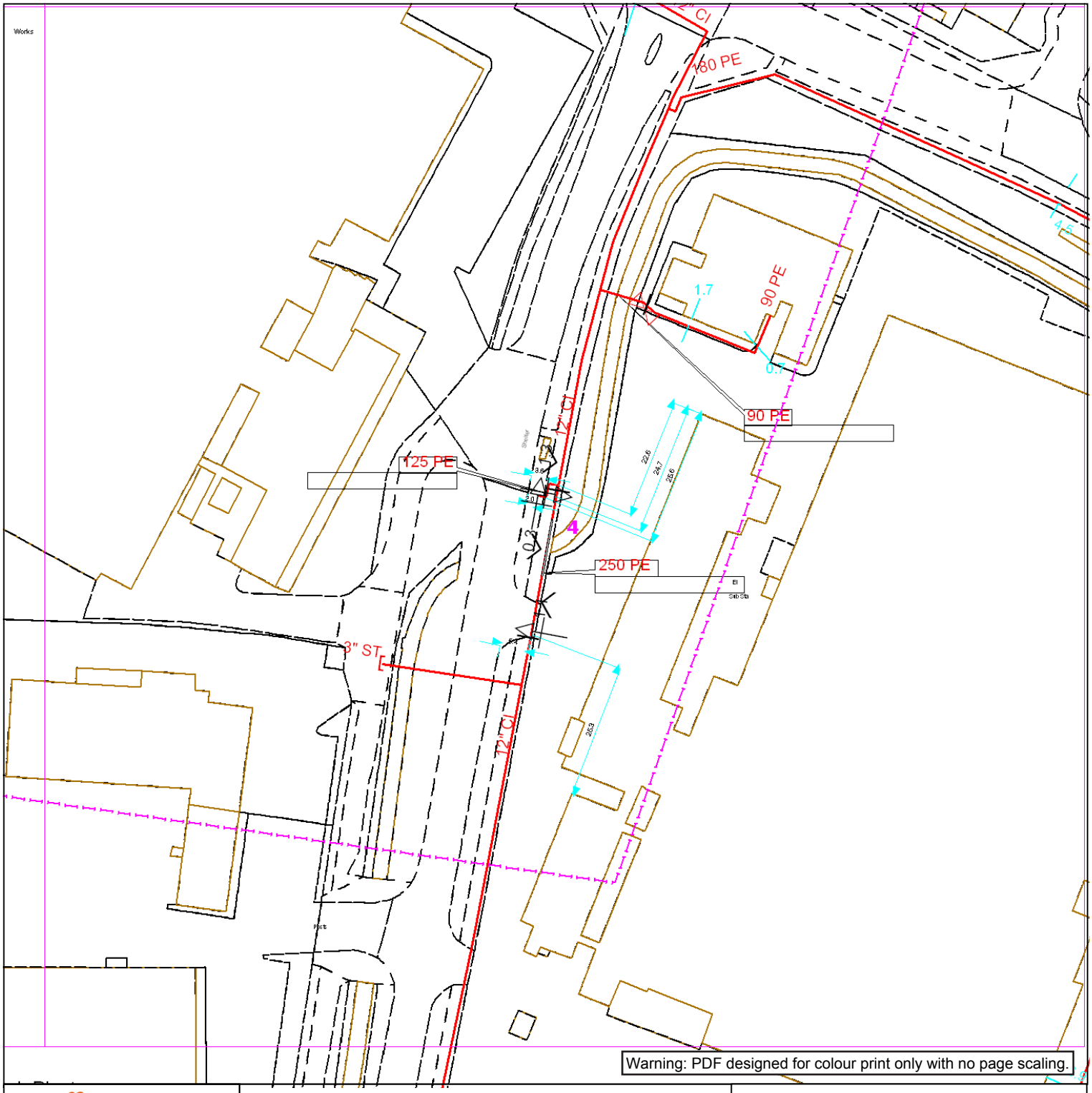
Date Requested: 31/08/2017
Job Reference: 10988130
Site Location: 472615 108028
Requested by:
Mrs Nicole Livie
Your Scheme/Reference:
24301

Exact Scales:
1:1000 Area or Circle dig site
1:1000 Line dig site

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SGN
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Low Pressure Mains
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SGN

Your gas. Our network.

Dig safely

Measures to avoid injury and damage to gas pipes

The following protective and precautionary measures MUST be taken when working in the vicinity of gas mains and services.

It is the responsibility of the property owner or company carrying out the work to make sure they've complied with the relevant legislation and Health and Safety Executive (HSE) guidance, eg HS(G)47. In practice, this means that whoever is carrying out the work MUST obtain gas mains location information and/or maps showing the indicative position of the gas network before any work takes place.

To avoid injury to yourself, your employees, colleagues and the general public you MUST suitably mark the position of the pipes on site.

HS(G)47 outlines best practice that should be followed to ensure you work safely:

1. Plan the work, obtain maps.
2. Detecting, identifying and marking underground services.
3. Safe excavation and safe digging practices.

In addition to the requirements under the Health and Safety At Work etc. Act 1974 to prevent injuries to employees and others (not employed), it is an offence under regulation 15 of the Pipelines Safety Regulations 1996 to cause damage to a pipeline (which includes gas mains and services as well as higher pressure pipelines) so as to give rise to a danger to persons.

You MUST make sure that current full colour copies of our maps are issued to all relevant personnel on site and they're aware of the presence and location of our gas mains and services prior to any excavation.

In a gas emergency

If you cause a gas leak or suspect a main or service pipe or equipment is leaking, you MUST take the following emergency actions immediately:

- **Ask people to move away from the area of the gas escape.**
- **Call 0800 111 999 immediately.**

1. **Don't** attempt to repair the escape or stop the leakage.
2. As gas may enter buildings, ask people in the surrounding premises to **leave** until it's safe for them to return.
3. **Stop** anyone going near the immediate vicinity of the gas escape.
4. **Prohibit** smoking and extinguish all naked flames.
5. **Don't** use mobile phones or other ignition sources.
6. **Assist** our representatives and other emergency services such as the police, ambulance, and fire service as requested.

Additional reference material

- SGN guidance for Safe Working in the Vicinity of Pipelines & Associated Installations operating >7barg. Applicable for HP only.
- HS(G)47 **Avoiding Danger from Underground Services** available from **hse.gov.uk**
- NJUG **Utilities Guidance on Positioning and Colour Coding of Apparatus** available from **njug.org.uk**





Making an enquiry for gas mains or services maps

Please visit our **Dig safely** pages on **sgn.co.uk** for plant protection information and links to our online mapping system and other associated information and guidance.

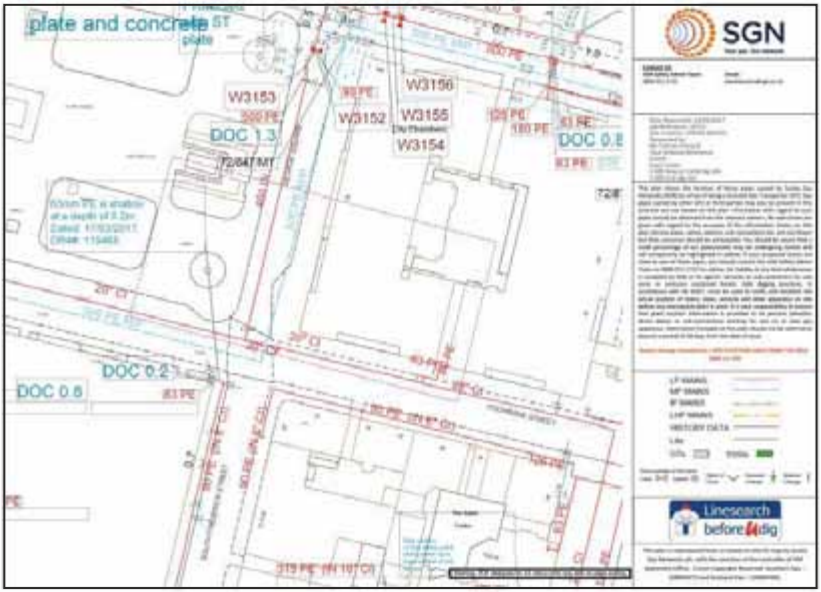
Our simple and easy to use online mapping system is available 24/7, 365 days a year.

You'll need to register/log in and provide a few details about your site location and the work you'll be carrying out. We'll respond immediately by email.

What you're likely to be sent

You'll be sent an email with a map. This will be an extract from our gas mains record, showing your site and any of our gas pipes as well as relevant safety information.

We always send out safety information, however we may forward your enquiry on to a local plant protection officer or a pipelines engineer to make direct contact with you depending on the work location.



Example of a gas map

Note: Service pipes are not shown on our maps

When working near our gas mains and services

Safe system of work

To satisfy ourselves that work in the vicinity of our gas mains is being carried out safely, we may ask for a copy of your risk assessment and/or method statement paperwork.

Where work falls under the Construction (Design and Management) Regulations 2015 reference to our gas mains and services MUST be made within your site Health and Safety file.

Financial

Every reasonable precaution MUST be taken to avoid personal injury or damage to our gas network at all times.

If we incur any costs to repair direct or consequential damage or divert any gas main or service, you'll be recharged in full.

HSE

Any damage to our gas mains or services will be subject to legislative reporting responsibilities to the Health and Safety Executive under Reporting of Injuries, Diseases & Dangerous Occurrences Regulations 2013, Gas Safety Management Regulations 1996, and the Pipelines Safety Regulations 1996.

Minimum safe working distances

Depending on the activity being undertaken and the gas mains or services you are working within the vicinity of, there are different safe distances that MUST be adhered to. SGN plant protection officers or pipeline engineers will inform you of these if required.

Surface boxes and manholes

Do not bury or move our surface boxes. Free access MUST be maintained during and after your work. No manhole cover or other structure can be built over, around or under a gas main, and no work is to be carried out that results in a reduction or increase in cover or protection without prior written agreement.

Deep excavations

Adequate protection, approved by us, MUST be applied for any deep excavations in the vicinity of our gas mains and services that may affect its security and integrity. Ground movement around gas mains MUST be prevented. We MUST be contacted if a sewer trench or any other water authority is to be constructed at greater than 1.5 metres depth near a buried gas main or service pipe. You MUST give us detailed drawings showing the line and width of the proposed sewer or other trench, together with the soil group classification of the area concerned.



Crossing our mains or services

The placing of heavy construction plant, equipment, materials or the passage of heavy vehicles over our gas mains is prohibited unless specifically agreed protective measures (ie the construction of reinforced crossing points) have been carried out. This is particularly important where reductions in side support or ground cover are planned. You MUST NOT carry out any work in servitudes/easements without our prior written consent.

Exposed plant

Where excavations in the vicinity of our gas mains affect its support, the plant MUST be adequately supported and protected in consultation with us and to our satisfaction. It MUST be protected from impact, restraints and thrust blocks, and supports MUST NOT be removed without our agreement.

Hot work

One of our representatives should be present when welding or other hot work involving naked flames is being carried out near our gas mains, as there's potential for heat damage to plastic pipeline/coatings.

Backfilling

Concrete backfill should not be placed closer than 300mm to our mains. No concrete or hard material should be placed under or adjacent to any of our gas mains. Shuttering MUST be constructed to maintain the stated clearances and prevent fresh concrete encasing our mains or services. Material used for backfill around our gas mains MUST conform to the following:

- If sand, it MUST be well-graded in accordance with BS EN 12620:2002.
- It MUST NOT contain any sharp particles (stones, bricks, lumps or corrosive materials).
- Foamed concrete MUST NOT be used.
- It MUST be laid to a minimum depth of 250mm above the crown of the gas main.

Note: Power ramming MUST NOT take place until a 300mm hand rammed layer has been completed over the crown of the main.

Access

Free access to our sites, mains and services, including temporary structures and spoil heaps MUST be available at all times.





Mechanical excavation

Mechanical excavators (including breaker attachments) MUST NOT be used within the following distances from the confirmed location of our gas mains and services shown on our gas maps without prior agreement:

Type of mains and services	Gas map identification	Hand excavation required inside	Pipe pressure indication shown on map
Low Pressure (LP)	0 – 75mbar	0.5 metres	
Medium Pressure (MP)	75mbar to 2 bar	0.5 metres	
Intermediate Pressure (IP)	2 – 7 bar	3.0 metres	
High Pressure (HP)	Above 7 bar	You must seek approval from us prior to any work	

Major accident hazard pipelines

High pressure pipeline

No work is to take place near an HP pipeline until it is agreed with us. After agreement and before any work does take place, the location of our pipeline MUST be marked up and its position confirmed by digging trial holes with our personnel in attendance.





Pipeline markers

High pressure

We will be involved in any work taking place near high pressure pipelines. We will provide you with additional information that you MUST familiarise yourself with before carrying out any work.

The default method of excavating near high pressure gas pipelines MUST always be by hand.



Wind turbines

The UK Onshore Pipelines Operations Association (UKOPA) has identified the appropriate exclusion zone (distance from the base of the wind turbine mast to the edge of the pipeline) as 1.5 times the turbine height. Contact MUST be made with us during the planning stages of a wind turbine or wind farm.



Tree planting

If trees or shrubs are to be planted in the vicinity of our gas mains and services, the selection of tree or shrub type and how it's planted MUST be considered carefully. This is to avoid root damage to buried mains or services, and to ensure our subsequent excavations for main repair and maintenance won't damage the trees or shrubs.

Written approval from us MUST be obtained before any tree planting is carried out on a servitude/easement. Any approval we grant to plant trees

The following trees and those of similar size (deciduous or evergreen) MUST NOT be planted within 6m of the centre line of the main: ash, beech, birch, most conifers, elm, maple, lime, horse chestnut, oak, and sycamore. Apple and pear trees are also included in this category.

Dwarf apple stocks may be planted up to 3m of the centre line of the main.



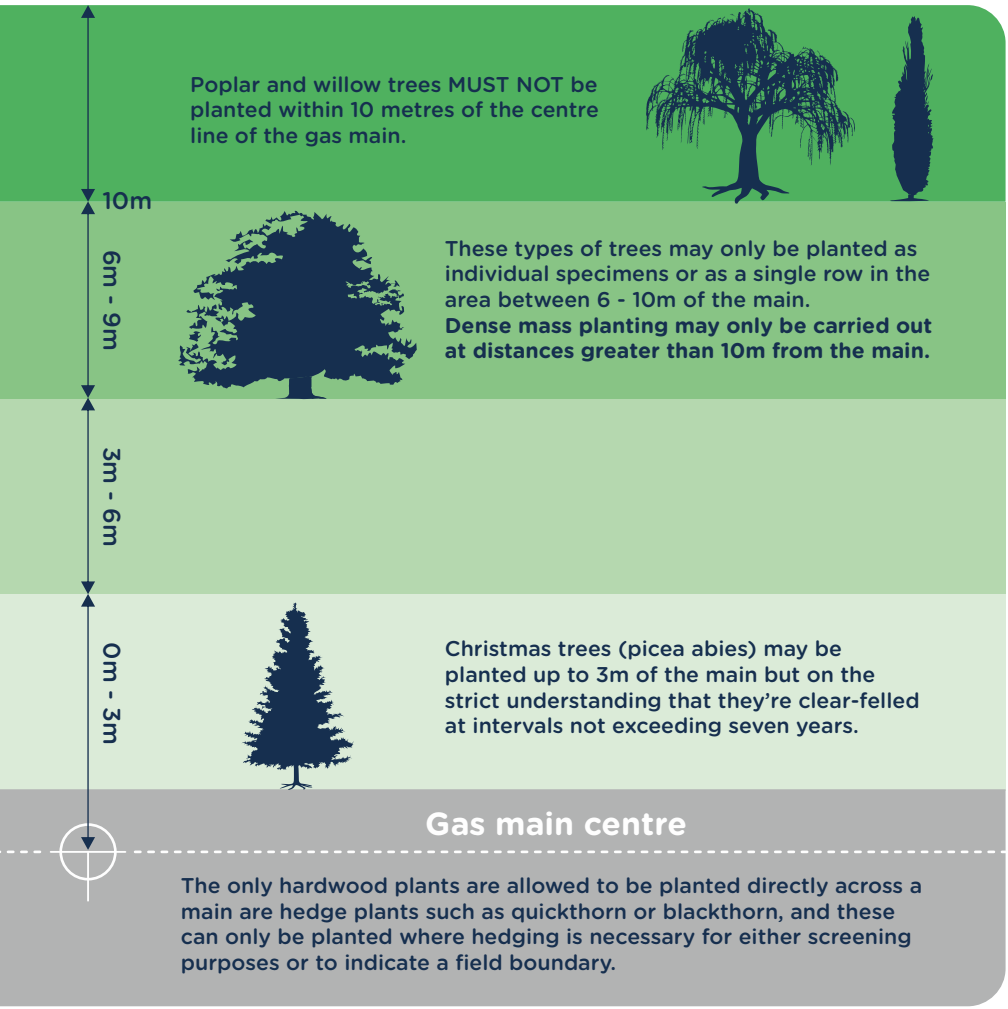
In cases where screening is required, the following are shallow rooting and may be planted close to the gas mains and services: blackthorn, broom, cotoneaster, elder, hazel, laurel, quickthorn, privet, snowberry and most ornamental shrubs.

Gas main centre

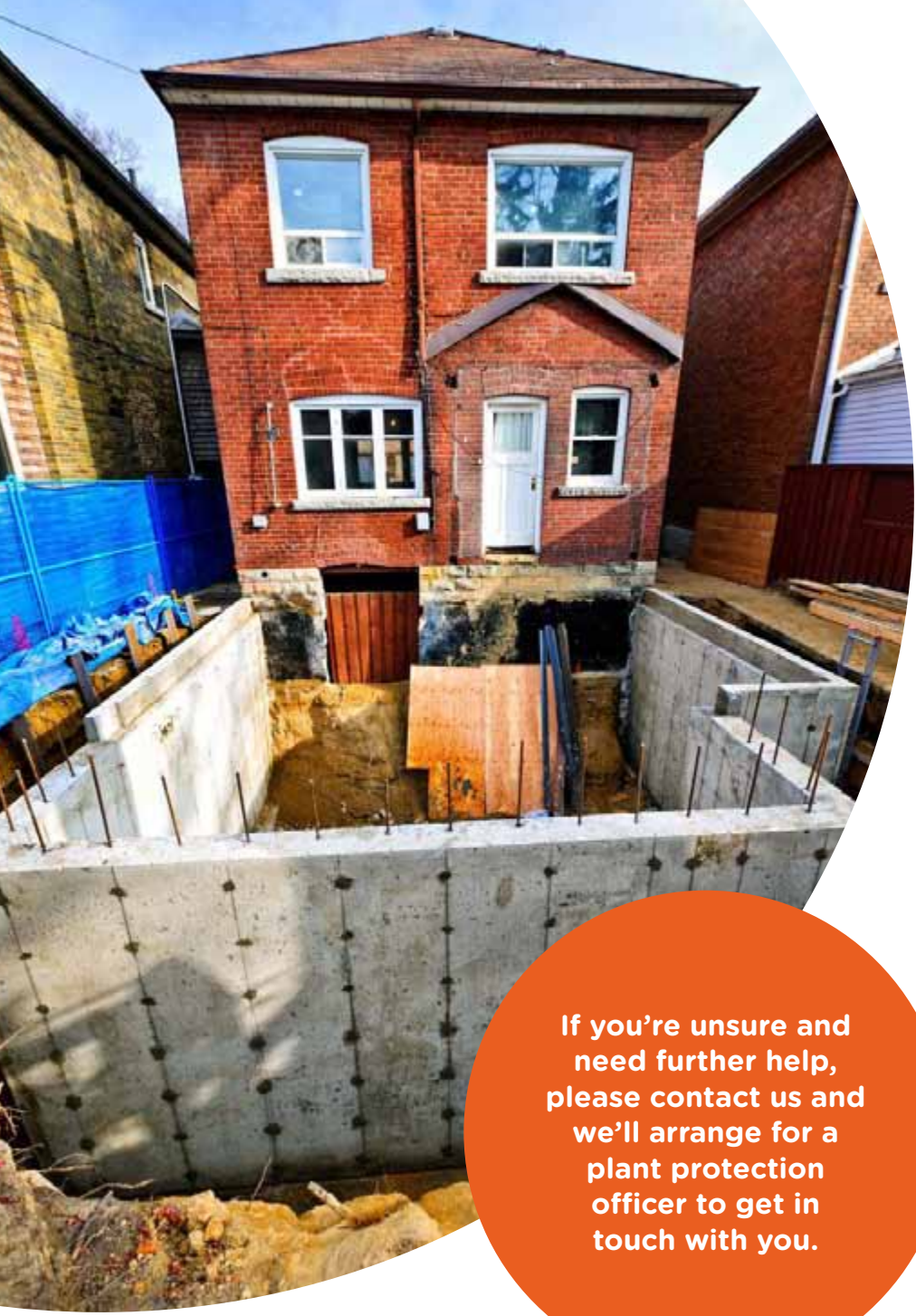
Raspberries, gooseberries and blackcurrants may be planted on the gas main, but a four metre strip, centred on the main, MUST be left clear at all times.

on a servitude/easement will be subject to us retaining the right to remove any tree, which in our opinion may become a danger to our mains in the future.

The written consent to plant trees will state what area may be planted and also the type of tree. The diagram details the specific species and the distances they MUST be planted from gas mains or services. You MUST contact us for further information.



Note: For further guidance, please refer to NJUG 10.



If you're unsure and need further help, please contact us and we'll arrange for a plant protection officer to get in touch with you.

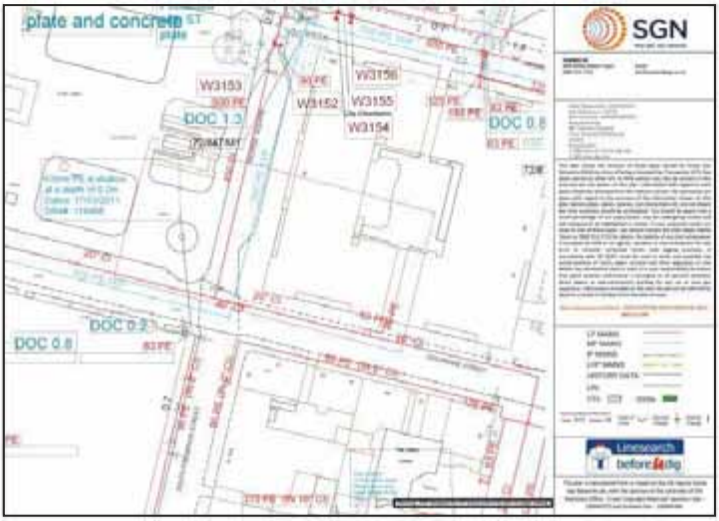
Gas services/work in gardens

If you're going to be carrying out work around your home, or a third party is carrying out work on your behalf, we may send you a site map of our gas mains and services but your own gas service won't be marked.

The simplest way to understand the location of your gas service is to know where it enters your house.







< Your gas service pipe usually takes the shortest route to the gas main, as shown on the sample network map/drawing.

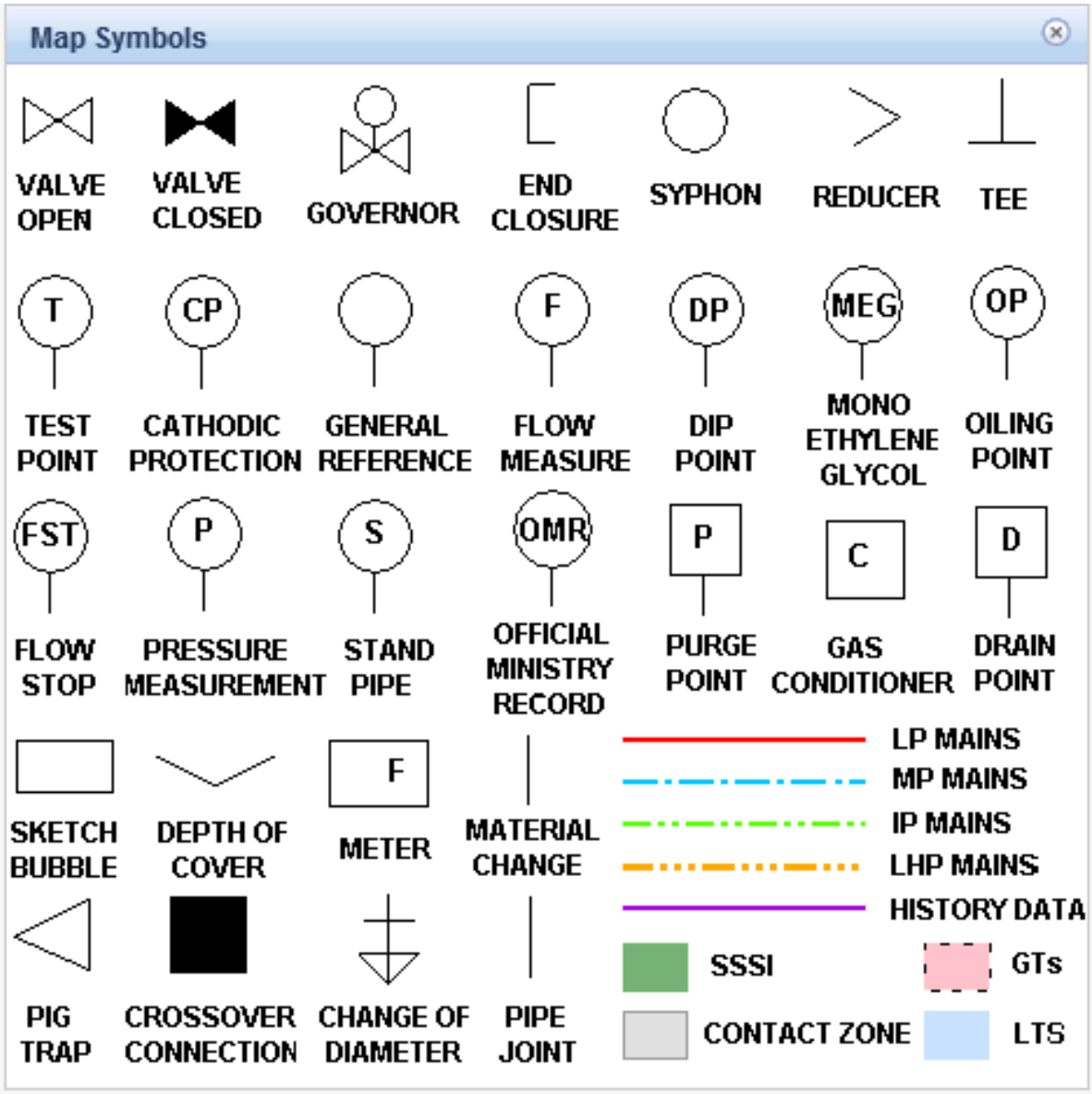


We provide a free plant location enquiry service and we're always happy to help.

www Visit our **Dig safely** pages on **sgn.co.uk**

0800 912 1722 *

*All calls are recorded and may be monitored


Map Symbols
VALVE OPEN
VALVE CLOSED
GOVERNOR
END CLOSURE
SYPHON
REDUCER
TEE
T
TEST POINT
CP
CATHODIC PROTECTION
GENERAL REFERENCE
F
FLOW MEASURE
DP
DIP POINT
MEG
MONO ETHYLENE GLYCOL
OP
OILING POINT
FST
FLOW STOP
P
PRESSURE MEASUREMENT
S
STAND PIPE
OMR
OFFICIAL MINISTRY RECORD
P
PURGE POINT
C
GAS CONDITIONER
D
DRAIN POINT
SKETCH BUBBLE
DEPTH OF COVER
F
METER
MATERIAL CHANGE
LP MAINS
MP MAINS
IP MAINS
LHP MAINS
HISTORY DATA
PIG TRAP
CROSSOVER CONNECTION
CHANGE OF DIAMETER
PIPE JOINT
SSSI
GTs
CONTACT ZONE
LTS

Safety Advice - Valves

Guidance when undertaking work near gas valves in our network areas

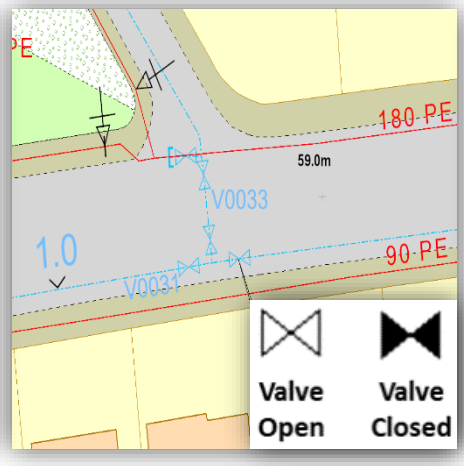
SGN manages the network that distributes gas to 5.8 million homes and businesses across Scotland and the south of England.

Due to a manufacturing issue, we are currently replacing or upgrading certain valve types that are at risk of bolt failure. In extreme cases, this can lead to gas escapes. This is a safety hazard and we have produced this guide to ensure you undertake adequate safety precautions when working near gas valves.

Identifying gas valves

The images below are an illustration of typical gas valves. Please note, valves come in various colours, shapes and sizes, and you may come across a valve that looks different to those found in the images.







What should you do?

When planning to work in our network areas, please observe the following points:

1. You must contact us before starting any work activity within **3.0m** of a gas valve identified on our maps.
2. If an unexpected gas valve is exposed you must immediately stop excavation works and report this to us.
3. To protect yourself against the risks associated with exposing a valve, we advise that you contact us when in doubt.

Contact details

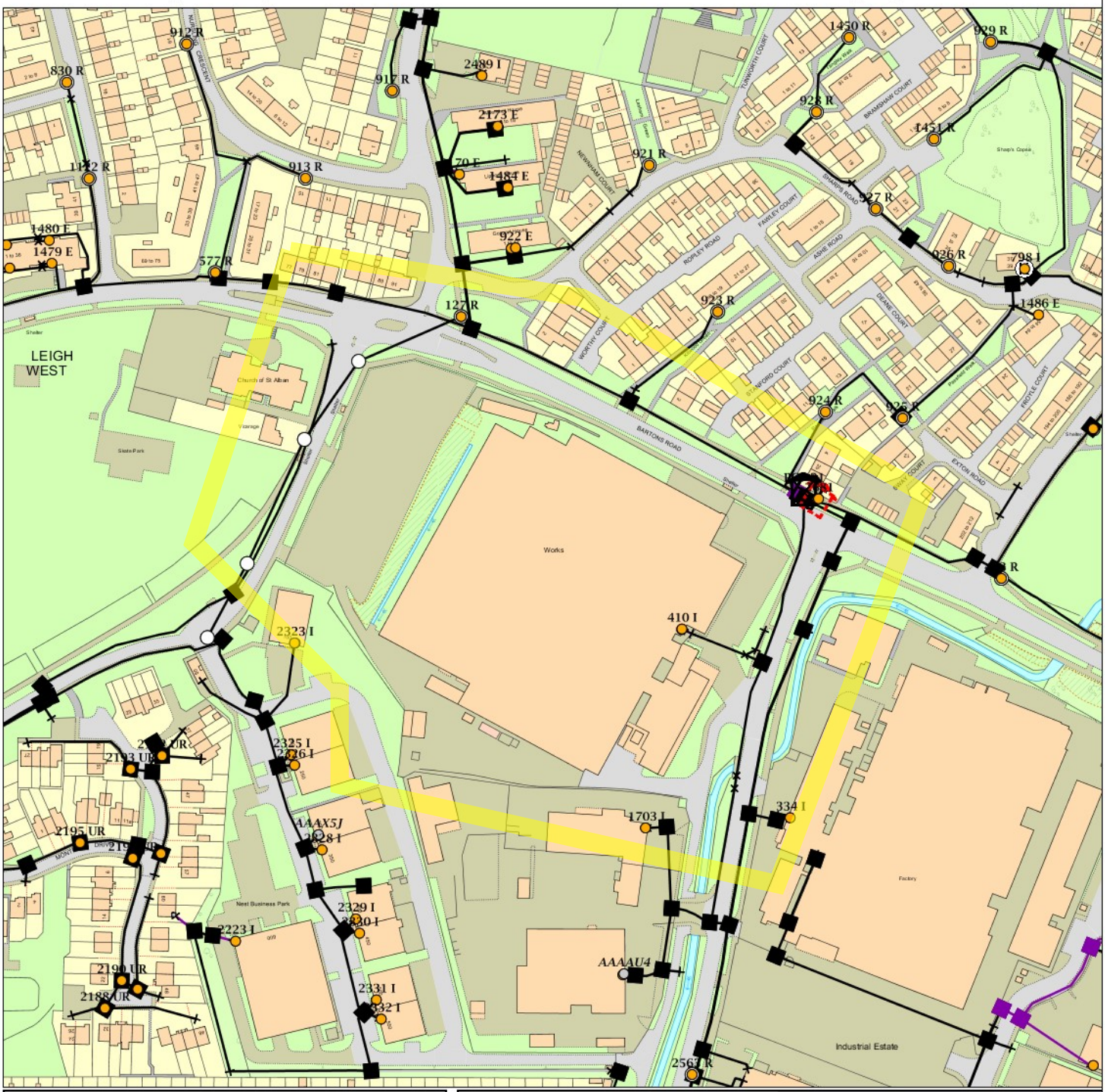
If you require further information or need assistance please contact us:

Safety Admin Team: **0800 912 1722**
plantlocation@sgn.co.uk

Valve enquiries will be forwarded to a local engineer who will provide further safety information.

TELECOM

Maps by email Plant Information Reply



IMPORTANT WARNING

Information regarding the location of BT apparatus is given for your assistance and is intended for general guidance only. No guarantee is given of its accuracy. It should not be relied upon in the event of excavations or other works being made near to BT apparatus which may exist at various depths and may deviate from the marked route.

openreach BT

CLICK BEFORE YOU DIG

FOR PROFESSIONAL FREE ON SITE ASSISTANCE PRIOR TO COMMENCEMENT OF EXCAVATION WORKS INCLUDING LOCATE AND MARKING SERVICE

email cbyd@openreach.co.uk

ADVANCE NOTICE REQUIRED
(Office hours: Monday - Friday 08.00 to 17.00)
www.openreach.co.uk/cbyd

Reproduced from the Ordnance Survey map by BT by permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office
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KEY TO BT SYMBOLS

DP	Pole
Planned DP	Planned Pole
PCP	Joint Box
Planned PCP	Change Of State
Built	Split Coupling
Planned	Duct Tee
Inferred	Planned Box
Building	Manhole
Kiosk	Planned Manhole
Hatchings	Cabinet
	Planned Cabinet

Other proposed plant is shown using dashed lines.
BT Symbols not listed above maybe disregarded.
Existing BT Plant may not be recorded.
Information valid at time of preparation

openreach a BT Group business BT

BT Ref : KKJ03038Y
Map Reference : (centre) SU7261108024
Easting/Northing : (centre) 472611,108
Issued : 31/08/2017 15:03:17

WARNING: IF PLANNED WORKS FALL INSIDE HATCHED AREA IT IS ESSENTIAL BEFORE PROCEEDING THAT YOU CONTACT THE NATIONAL NOTICE HANDLING CENTRE. PLEASE SEND E-MAIL TO: nnhc@openreach.co.uk

WATER

Nicole Livie (MK Surveys)

From: Distribution Admin <D@portsmouthwater.co.uk>
Sent: 15 August 2017 11:43
To: Nicole Livie (MK Surveys)
Subject: RE: 24301 - Bartons Road, Havant, Hampshire PO9 STE - Asset Location Enquiry
Attachments: BARTONS ROAD.pdf

NETWORK MAINS PLAN

Further to your email dated 4 August 2017, please find enclosed a section of Ordnance Survey plan on which is indicated in coloured lines, the approximate positions of the Company's existing water mains. The colours on the plan you have been sent represent the Reservoir serving that main and have no effect on the location or depth of the main.

I am unable to indicate the approximate position of the water services to the various properties fronting your works, but wherever there are surface stopcock or meter boxes it should be assumed that a service pipe is connected to the Company's mains.

I would suggest that should you require accurate information regarding the location of the Company's installations then trial holes be taken.

All surface boxes should be adjusted to final levels.

Please be aware that the Ordnance Survey data provided to you with this letter may only be used under the terms of your own agreement with Ordnance Survey in relation to your right to meet your Statutory Obligations.

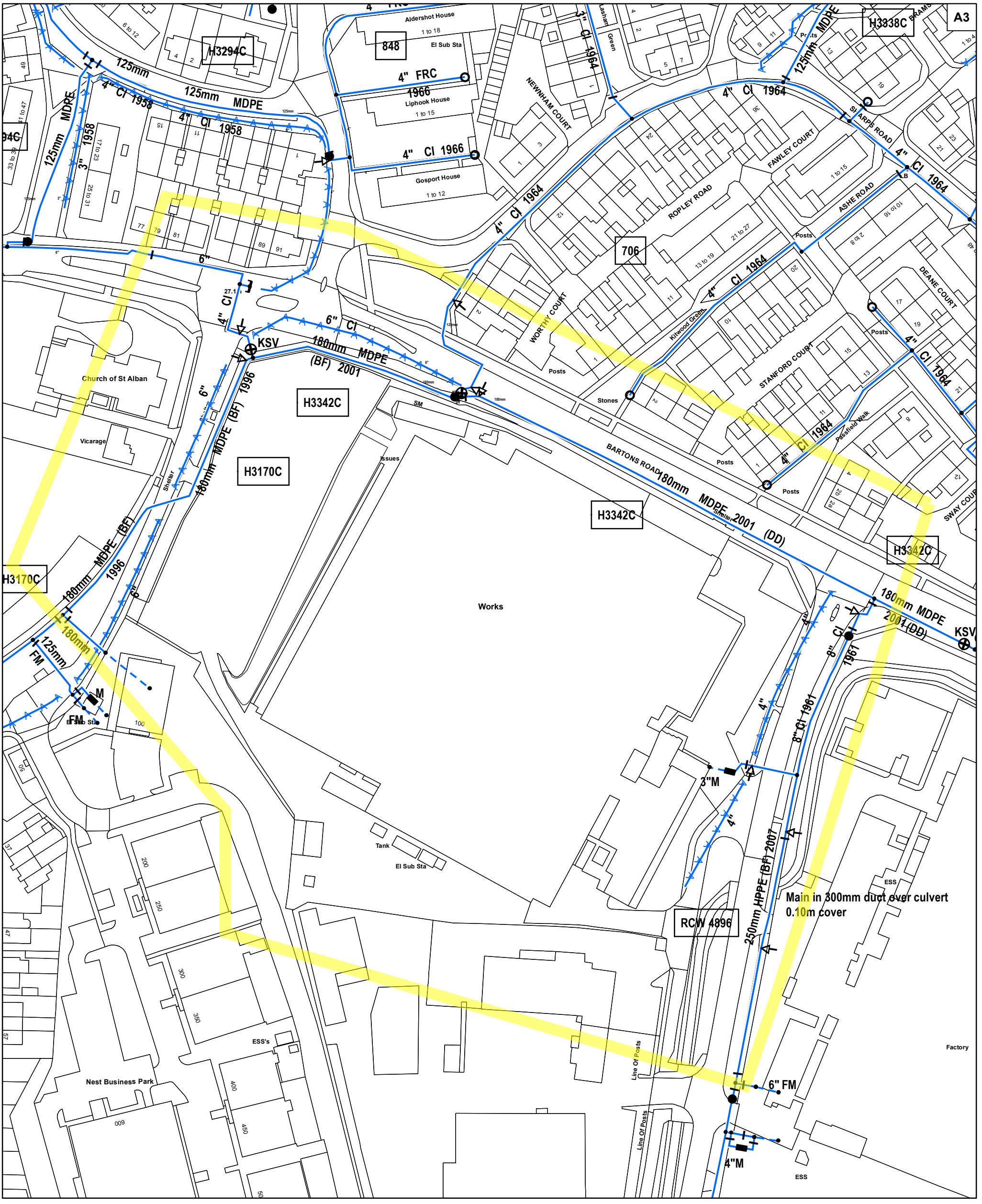
Kind regards,



Ben Sydenham

Distribution Manager

From: Head.Office@PortsmouthWater.co.uk
Sent: 04 August 2017 13:51



EXISTING MAIN
ABANDONED MAIN
PROPOSED MAIN
COMPANY WASHOUT
WASHOUT FIRE HYDRANT
FIRE HYDRANT
PROPOSED FIRE HYDRANT
'C' WO TO BE CUT OUT UNLESS PURCHASED BY LOCAL AUTHORITY
'C' FH TO BE CUT OUT UNLESS PURCHASED BY LOCAL AUTHORITY
'C' WOFH TO BE CUT OUT UNLESS PURCHASED BY LOCAL AUTHORITY

Portsmouth Water

Registered Office
P.O. BOX NO. 8, West Street, Havant, Hampshire. PO9 1LG.
Registered in England No. 2536455
Telephone: (023) 9249 9888
Fax: (023) 9245 3632
Website: www.portsmouthwater.co.uk

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Ordnance Survey Licence Number 100018036.

The information supplied is given in good faith as a guide to locating underground apparatus. Its accuracy cannot be guaranteed, nor does it include comprehensive information about the existence or location of service pipes or cables to individual premises.The responsibility for locating and avoiding damage to apparatus on site shall be that of the person proposing to excavate in the street who shall be liable to the apparatus owner and any third party who may be affected in any way for any loss or damage caused by their failure to do so.

Drg No:
Job No:
OS Ref: SU7208SE
Scale: 1:1,250
Date: 15/08/2017

MK Surveys
Kiln Farm, 1
Potters Lane
Milton Keynes
Buckinghamshire
MK11 3HE

Your ref	24301
Our ref	256149
Date	09 August 2017
Contact	searches@southernwater.co.uk Tel 0845 272 0845 0330 303 0276 Fax 01634 844514

Attention: Nicole Livie

Dear Customer

Re: **Provision of public sewer record extract**

Location: **Bartons Road, Havant, PO9 STE**

Thank you for your order regarding the provision of extracts of our sewer and/or water main records. Please find enclosed the extracts from Southern Water's records for the above location.

We confirm payment of your fee in the sum of £49.92 and enclose a VAT receipt for your records.

Customers should be aware that there are areas within our region in which there are neither sewers nor water mains. Similarly, whilst the enclosed extract may indicate the approximate location of our apparatus in the area of interest, it should not be relied upon as showing that further infrastructure does not exist and may subsequently be found following site investigation. Actual positions of the disclosed (and any undisclosed) infrastructure should therefore be determined on site, because Southern Water does not accept any responsibility for inaccuracy or omission regarding the enclosed plan. Accordingly it should not be considered to be a definitive document.

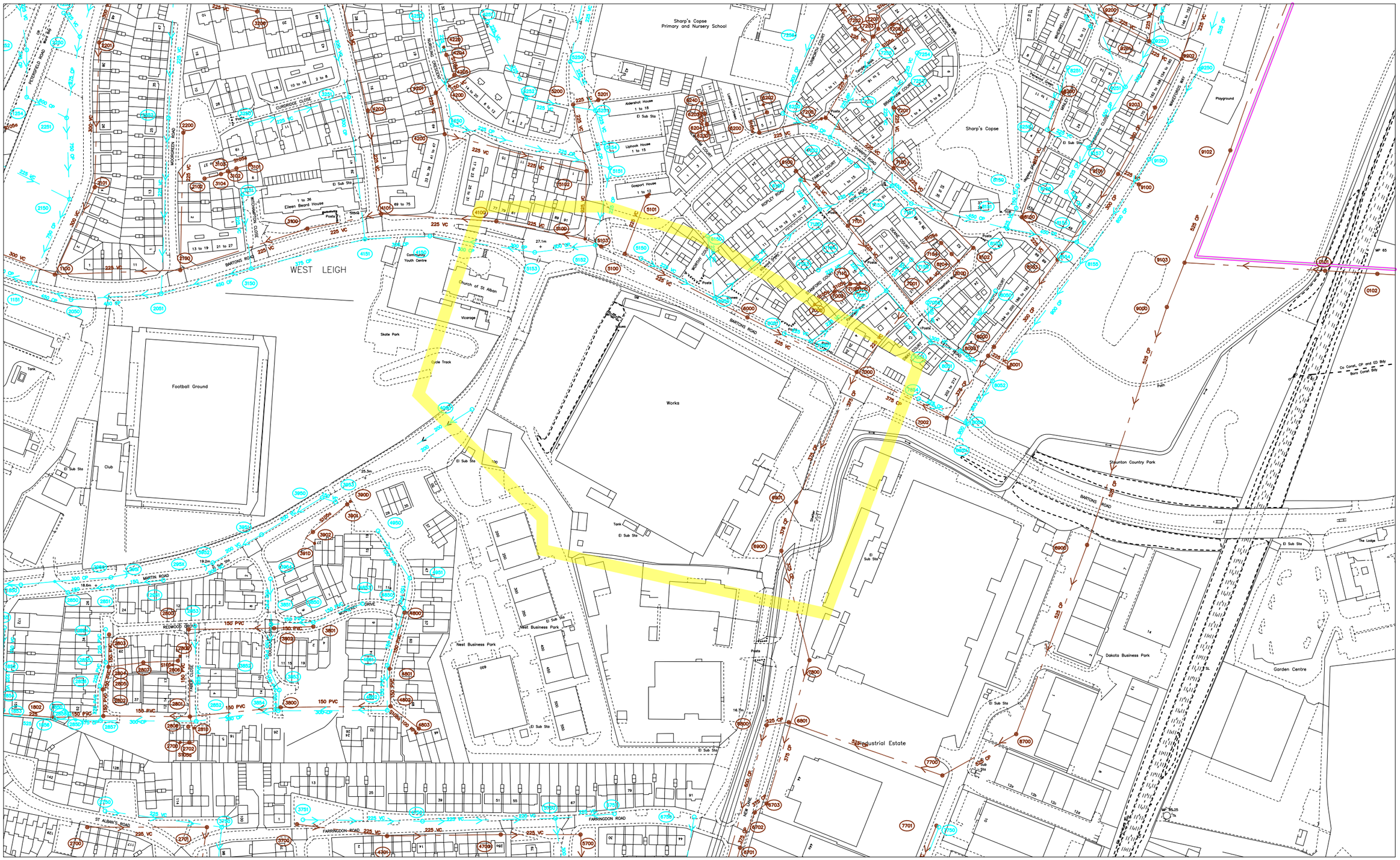
Should you require any further assistance regarding this matter, please contact the LandSearch team.

Yours faithfully

LandSearch

SEWER RECORDS PAGE 1 OF 2

108292



107715

472156

473103

O.S. REF. **SU7208SE**	Drawn by: yadavsa	The positions of pipes shown on this plan are believed to be correct, but Southern Water Services Ltd accept no responsibility in the event of inaccuracy. The actual positions should be determnined on site. WARNING: BAC pipes are constructed of Bonded Asbestos Cement WARNING: Unknown (UNK) materials may include Bonded Asbestos Cement
	Scale: 1:2500	
Title: 256149_Bartons Road, Havant, P	Date: 09/08/2017	Based upon Ordnance Survey Digital Data with the permission of the controller of H.M.S.O. Crown Copyright Reserved Licence No. WU 298530.

N

Southern Water

SEWER RECORDS PAGE 2 OF 2

Node	Cover	Invert	Size	Material	Shape
0101X			UNK	UNK	CIRC
0102X			UNK	UNK	CIRC
1100X	21.47	19.42	300	VC	CIRC
1151X	21.74	19.49	750	CP	CIRC
1252X	24.29	22.69	375	CP	CIRC
1253X	24.89	23.16	225	VC	CIRC
1254X	23.93	22.13	600	CP	CIRC
1802X			225	UNK	CIRC
1850X	18.47	17.79	375	CP	CIRC
1852X	18.03	16.65	225	VC	CIRC
1853X	18.08	17.32	150	VC	CIRC
1854X	17.98		225	VC	CIRC
1855X	18.21	17.29	150	VC	CIRC
1856X			525	UNK	CIRC
185DX			UNK	UNK	CIRC
195DX			300	CP	CIRC
2050X	21.95	19.91	450	CP	CIRC
2051X	22.31	20.26	450	CP	CIRC
2100X	22.09	20.39	225	VC	CIRC
2101X	23.15	20.97	300	VC	CIRC
2150X	22.86	20.45	750	CP	CIRC
2200X	25.17	21.63	225	VC	CIRC
2201X	25.39	22.77	300	VC	CIRC
2250X	25.27	22.27	675	CP	CIRC
2251X	24.26	21.34	750	CP	CIRC
2252X	24.02	21.9	225	VC	CIRC
2700X	18.72	17.25	225	VC	CIRC
2701X	19.09	16.95	225	VC	CIRC
2702X			UNK	UNK	CIRC
270DX			UNK	UNK	CIRC
2750X	18.89	16.51	225	VC	CIRC
2800X	19.56	17.58	150	PVC	CIRC
2801X	19	16.75	150	PVC	CIRC
2802X	19.19	16.2	150	PVC	CIRC
2803X	18.83	16.73	150	PVC	CIRC
2804X	18.94	16.54	150	PVC	CIRC
2805X	19.11	16.37	150	PVC	CIRC
2806X			UNK	UNK	CIRC
2807X			UNK	UNK	CIRC
280DX			UNK	UNK	CIRC
2850X	18.63	18.08	UNK	UNK	CIRC
2851X	18.75	18.24	150	UNK	CIRC
2852X	19.05	17.18	300	CP	CIRC
2853X	19.55	17.85	225	PVC	CIRC
2854X	18.8	17.19	225	PVC	CIRC
2855X	18.92	17.09	225	PVC	CIRC
2856X	19.07	16.99	225	PVC	CIRC
2857X	19.16	16.73	375	CP	CIRC
2858X			UNK	UNK	CIRC
285DX			375	CP	CIRC
2950X	18.67		300	CP	CIRC
2951X	18.92	18.4	150	UNK	CIRC
295IX	−1		UNK	UNK	CIRC
3100X	23.96	21.56	225	VC	CIRC
3101X			UNK	UNK	CIRC
3102X			UNK	UNK	CIRC
3103X			UNK	UNK	CIRC
3104X			UNK	UNK	CIRC
3150X	22.86	20.73	450	CP	CIRC
3151X	23.68	21.88	225	VC	CIRC
3200X	27.09	25.15	225	VC	CIRC
3250X	25.36	24.16	225	VC	CIRC
3251X	26.2		300	CP	CIRC
3700X	18.87	16.37	225	VC	CIRC
3750X	18.91	16.14	225	VC	CIRC
3751X	19.08	16.82	225	VC	CIRC
3800X	19.84	17.22	150	PVC	CIRC
3801X	20.79	18.96	150	PVC	CIRC
3802X	20.46	18.06	150	PVC	CIRC
3850X	20.79	19.27	150	PVC	CIRC
3851X	20.46	18.33	150	PVC	CIRC
3852X	20.09	18.13	150	PVC	CIRC
3853X	19.98	18.04	150	PVC	CIRC
3854X	19.82	17.68	300	CP	CIRC
3901X			UNK	UNK	CIRC
3902X			UNK	UNK	CIRC
391DX			UNK	UNK	CIRC
3950X	22.01	21.17	200	VC	CIRC
3951X	20.17	19.2	200	VC	CIRC
3952X	19.23	18.67	200	VC	CIRC
3953X	22.52	21.86	150	VC	CIRC
3954X	20.05	18.62	150	PVC	CIRC
4050X	24.13	23.7	200	UNK	CIRC
4100X	27.64	25.06	225	VC	CIRC
4101X	25.5	23.17	225	VC	CIRC
4150X	26.09		300	CP	CIRC
4151X	24.84		375	CP	CIRC
4200X	28.09	26.2	225	VC	CIRC
4201X	28.56	26.57	225	VC	CIRC
4202X	26.3	24.25	225	VC	CIRC
4204X			UNK	UNK	CIRC
4205X			UNK	UNK	CIRC
422DX			UNK	UNK	CIRC
4250X	28.41	26.8	225	CP	CIRC
4251X	30.26	29.01	225	VC	CIRC
4252X	30	28.2	225	VC	CIRC
4700X	16.17	14.37	225	VC	CIRC
4701X	17.43	15.18	225	VC	CIRC
4750X	16.07	15.1	225	VC	CIRC
4800X	21.35	18.9	150	PVC	CIRC
4801X	20.24	17.89	150	PVC	CIRC
4802X	19.66	17.73	150	PVC	CIRC
4803X			100	RPM	CIRC
4850X	21.39	19.78	150	PVC	CIRC
4851X	20.26	18.77	150	PVC	CIRC
4852X	19.63	17.98	300	CP	CIRC
4853X	21.31	19.86	150	PVC	CIRC
4950X	22.75	21.23	150	PVC	CIRC
4951X	21.82	20.3	150	PVC	CIRC
5100X	26.62	24.08	225	VC	CIRC
5101X	27.65	25.91	225	VC	CIRC
5102X	28.86	25.6	225	VC	CIRC
5103X	26.85	25.74	225	VC	CIRC
510DX	27	23.85	225	VC	CIRC
5150X	22.47	20.05	225	VC	CIRC
5151X	25.38	22.85	225	CP	CIRC
5152X	23.31	21.42	300	CP	CIRC
5153X	23.77	21.07	300	CP	CIRC
5154X	25.74	23.41	225	CP	CIRC
5200X	30.34	27.14	225	VC	CIRC
5201X	30.06	27.46	225	VC	CIRC
5250X	27.57	25.24	225	VC	CIRC
5251X	26.35	24.03	225	VC	CIRC
5252X	27.21	24.82	225	VC	CIRC
5700X	16.03	14.17	225	VC	CIRC
5750X	16.08	14.78	300	VC	CIRC
5751X	15.9	14.87	225	VC	CIRC
6000X	22.07	20.28	225	VC	CIRC
6050X	19.3	17.54	225	VC	CIRC
6051X	17.31	15.71	225	VC	CIRC
6100X	24.97	22.34	225	VC	CIRC
6150X	21.17	19.68	225	VC	CIRC
6151X	20.51	18.2	225	VC	CIRC
6200X	27.95	25.48	225	VC	CIRC
6201X			UNK	UNK	CIRC
6202X			UNK	UNK	CIRC
6203X			UNK	UNK	CIRC
6204X			UNK	UNK	CIRC
624DX			UNK	UNK	CIRC
6250X	24.73	21.19	300	CP	CIRC
6701X	16.37	13.77	375	CP	CIRC
6702X	16.78	14.22	375	CP	CIRC
6703X	15.95	13.36	375	CP	CIRC
6750X	16.31	15.21	225	VC	CIRC
6800X	16.71	13.3	600	CP	CIRC
6801X	17.17	13.5	525	CP	CIRC
6900X	17.7	15.22	375	CP	CIRC
6901X	17.83	15.25	375	CP	CIRC
7000X	19.07	15.57	375	CP	CIRC
7001X	19.49	17.19	225	VC	CIRC
7002X	18.23	15.87	375	CP	CIRC
7003X			UNK	UNK	CIRC
7050X	16.77	15.29	225	VC	CIRC
7051X	16.56	14.69	225	VC	CIRC
7052X	15.23	13.53	150	VC	CIRC
7053X	15.43	13.97	300	VC	CIRC
7054X	15.19	13.99	225	CP	CIRC
7100X	23.15	19.95	225	VC	CIRC
7101X	21.95	19.88	225	VC	CIRC
7104X			UNK	UNK	CIRC
7105X			UNK	UNK	CIRC
710DX			UNK	UNK	CIRC
711DX			UNK	UNK	CIRC
7150X	18.76	17.1	225	VC	CIRC
7151X	18.09	16.21	450	CP	CIRC
7152X	19.21	16.78	450	CP	CIRC
7153X	16.81	15.41	225	VC	CIRC
7154X	17.7	15.93	225	VC	CIRC
7155X	16.64	15.29	225	VC	CIRC
7200X	26.78	23.18	225	VC	CIRC
7201X	24.93	22.45	225	VC	CIRC
7202X	30.3	29.08	225	VC	CIRC
7203X	28.11	26.57	225	VC	CIRC
7205X			100	VC	CIRC
7207X			UNK	UNK	CIRC
7251X	22.69	20.56	225	VC	CIRC
7252X	22.48	19.55	300	CP	CIRC
7253X	24.4	22.48	225	VC	CIRC
7254X	22.15	20.5	225	VC	CIRC
7255X	23.3	21.44	225	CP	CIRC
7256X	26.33	23.05	300	CP	CIRC
7700X	17.95	14.1	525	CP	CIRC
7701X	18.07	16.7	225	VC	CIRC
7750X	18.06		300	VC	CIRC
7800X	17.51	14.9	375	CP	CIRC
8000X	18.31	16.29	300	CP	CIRC
8001X	18.49	16.45	225	VC	CIRC
8003X	18.37	16.2	375	CP	CIRC
8050X	14.7	13.3	225	VC	CIRC
8051X	15.17	13.86	375	CP	CIRC
8052X	15.14	13.26	900	CP	CIRC
8053X	15.09	13.24	900	CP	CIRC
8100X	19.57	17.22	225	VC	CIRC
8102X	19.88	18.23	225	VC	CIRC
8103X	18.74	16.52	300	CP	CIRC
8104X			UNK	UNK	CIRC
810DX			225	VC	CIRC
8150X	16.47	15.67	150	VC	CIRC
8151X	16.42	15.22	225	VC	CIRC
8152X	16.2	14.76	450	CP	CIRC
8153X	15.46	14.06	525	CP	CIRC
8154X	15.16	13.86	600	CP	CIRC
8155X	15.4	13.61	900	CP	CIRC
8156X	15.88	14.41	525	CP	CIRC
8157X	16.18	14.81	525	CP	CIRC
8200X	21.01	18.92	225	VC	CIRC
8250X	16.85	15.38	225	VC	CIRC
8251X	17.86	16.49	225	VC	CIRC
8700X	18.92	15.21	525	CP	CIRC
8900X	18.62	14.96	525	CP	CIRC
9000X	18.37	15.37	525	CP	CIRC
9100X	19.49	17.09	225	VC	CIRC
9101X	19.13	16.82	300	CP	CIRC
9102X	18.78		525	CP	CIRC
9103X			525	CP	CIRC
9150X	15.92	14.14	600	CP	CIRC
9200X	21.94	19.19	225	VC	CIRC
9201X	20.72	18.15	225	VC	CIRC
9202X	19.92	17.21	300	CP	CIRC
9203X	19.76	17.02	300	CP	CIRC
9250X	16.71	14.51	600	CP	CIRC
9251X	16.77	15.79	450	CP	CIRC
9252X	17.09	16.07	225	VC	CIRC

LINE STYLES / COLOURS

Brown — Foul
Foul Syphon Sewer
Foul Vacuum Main
Foul Rising Main
Red — Combined
Combined Syphon Sewer
Combined Rising Main
Lateral Drain
Orange — Building Over Agreement Area
Dark Blue — Treated Effluent
Purple — Sludge
Sewer Catchment
Section 104 Area
Light Blue — Surface Water
Surface Water Rising Main
Yellow — Private
Green — Access Shaft
Decommissioned

MATERIALS

AK	Alkathene
BAC	Bonded Asbestos Cement
BRC	Brick (Common)
BRE	Brick (Engineering)
CC	Concrete Box Culvert
CI	Cast Iron
CO	Concrete (In-Situ)
CP	Concrete (Pre-Cast)
CSB	Concrete Segments (bolted)
CSU	Concrete Segments (unbolted)
DI	Ductile Iron
GRC	Glass Reinforced Concrete
GRP	Glass Reinforced Plastic
MAC	Masonry in regular Courses
MAR	Masonry in random Courses
PE	Polyethylene
PF	Pitch Fibre
PP	Polypropylene
PVC	Polyvinyl Chloride
RPM	Reinforced Plastic Matrix
SI	Spun Iron
ST	Steel
VC	Vitrified Clay
XXX	Other
ZZZ	Unknown

LEGEND - SEWERS

Manhole (SW)
Manhole (F&C)
Lamp hole (SW)
Lamp hole (F&C)
Pumping Station (SW)
Pumping Station (F&C)
Side entry manhole (SW)
Side entry Manhole (F&C)
Blind shaft (SW)
Blind shaft (F&C)
Ejector station (SW)
Ejector station (F&C)
Watertight door (SW)
Watertight door (F&C)
Flushing ch. Mn-e (SW)
Flushing ch. Mn-e (F&C)
Flushing ch. No-e (SW)
Flushing ch. No-e (F&C)
Demarcation Chamber

Washout (SW)
Washout (F&C)
Rodding Eye (SW)
Rodding Eye (F&C)
Gauging point (SW)
Gauging point (F&C)
Intercept chamber (SW)
Intercept chamber (F&C)
Storm Tank (SW)
Storm Tank (F&C)
Vortex chamber (SW)
Vortex chamber (F&C)
Label ellipse
Dummy/S24 manhole
Outfall
Penstock chamber
Damboards
Storm Overflow
Backdrop manhole

Other (s)
Other
Change in sewer (s)
Change in sewer
Reflux valve
Flap valve
Cascade
Anode
Valve
Closed Valve
Air Valve
Hatch box (SW)
Hatch box (F&C)
Direction arrow
Emptying valve
Catchpit
Soakaway
Inlet
Balancing Pond

Wastewater treatment works
Marine treatment works
Outfall headworks
Vent
Vent column
Tidal storage tank
Blank end
Head of Public Sewer
Micro Pumping Station

SHAPES (S)

A	Arched	R	Rectangular
B	Barrel	S	Square
C	Circular	T	Trapezoidal
E	Egg	U	U Shape
H	Horseshoe	X	Other

NODE REFERENCING SYSTEM

1st digit: hundred metre easting identifier
2nd digit: hundred metre northing identifier
3rd digit: sewer type identifier
0-4 = Foul/Combined
5-9 = Surface Water
4th digit: next sequential node

Drawn by:	yadavsa
Title:	256149_Bartons Road, Havant, P
Date:	09/08/2017

Southern Water

CATV

MK Surveys
1 Potters Lane
Kiln Farm
Milton Keynes
DG7 3TA

Virgin Media
Field Services
Units 1-12
Broad Lane
Mayfair Business Park
Bradford
Yorkshire
BD4 8PW

Tel: 0870 888 3116 Opt 2
Fax: 01268 468557

Plant Enquiry Ref:		VM.183236
Your Letter Date	:	04.08.2017
Your Ref	:	24301
Date	:	07.08.2017

Hello,

Enquiry Location: Bartons Road, Havant, Hampshire PO9 5TE

Thank you for your enquiry regarding work at the above location.

I enclose a copy of our above referenced drawing, marked to show the approximate position of plant owned and operated by Virgin Media.

You will be aware that you have a duty to ensure that no damage results to this equipment as a result of your proposed works. Please note that this apparatus may contain Fibre Optic, Coaxial and/or 240v Power Cables and as such, special care must be taken when excavating this area.

Should you require Virgin Media apparatus to be diverted we must agree a specification of works and provide a detailed estimate of costs. The costs are £720 (Business) or £240 (Residential) Inc VAT and the charge applies to each individual scheme requested.
Both the estimate and specification will be sent to you within 25 working days of when the payment was received.
This initial payment will cover the following: -

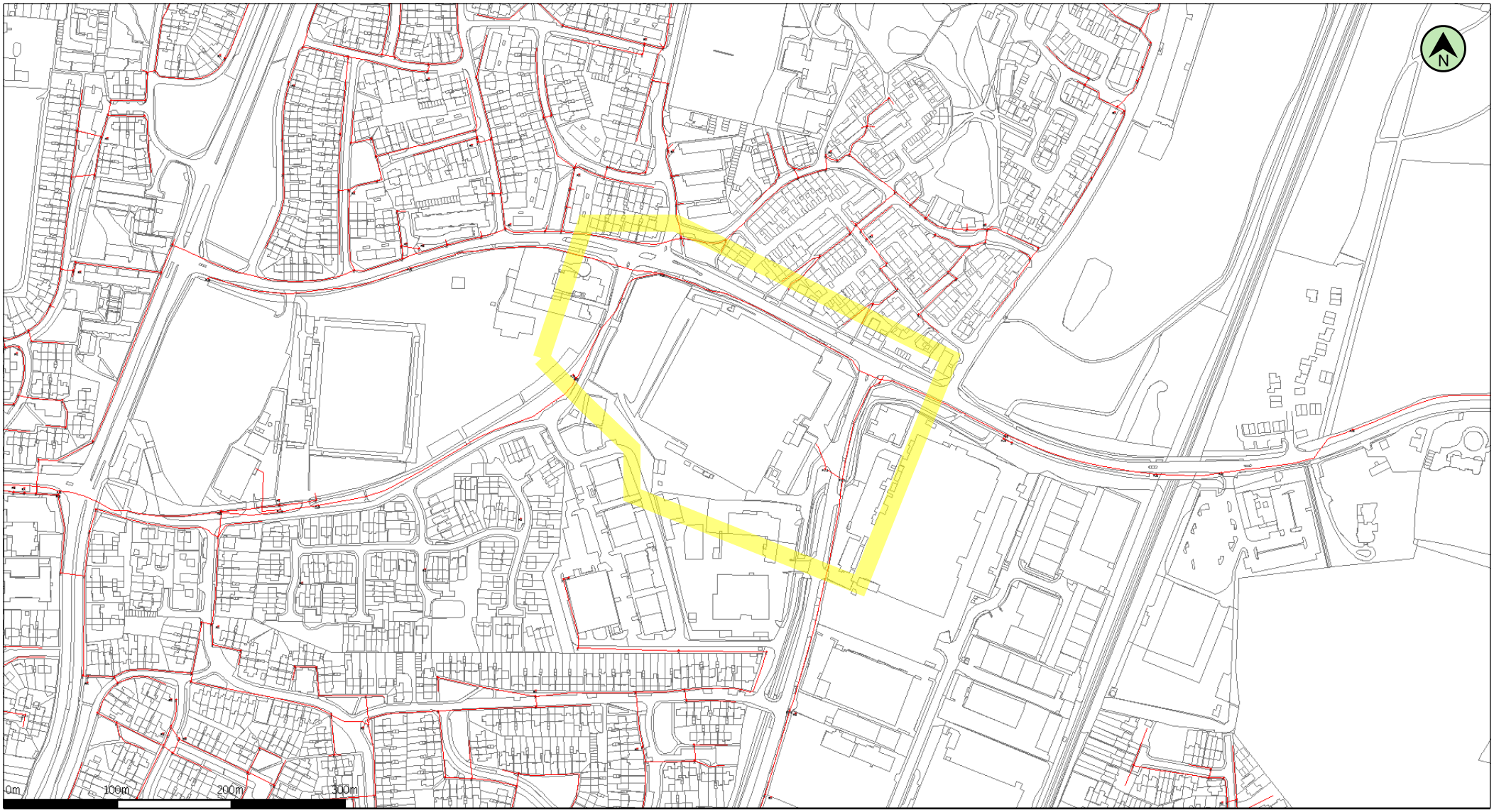
- Detailed site visit by an experienced planning engineer.(Up to 10 hours planning time)
- Detailed specification of works.
- Detailed breakdown of costs.

Payment is required in advance for the estimated cost of detailed design work and the charge applies whether or not your works proceed. Please supply us with your payment and a copy of your plans or drawings and quote 'Our Ref' as above.
The address to send the cheque is:
Diversionary Works, Virgin Media, 1 Dove Wynd, Strathclyde Business Park Bellshill ML4 3AL

Or if you prefer to talk, please call the Diversionary Team on: 0800 408 0088 Option 1

Yours faithfully

National Plant Enquiries Team



(c) Crown copyright and database rights 2017 Ordnance Survey 100019209 | Date: 07/08/17 | Scale: 1:4715 | Map Centre: 472625,107995 | Data updated: 02/07/17 | Telecoms Plan A4

Important Information - please read The purpose of this plan is to identify Virgin Media apparatus. We have tried to make it as accurate as possible but we cannot warrant its accuracy. In addition, we caution that within Virgin Media apparatus there may be instances where mains voltage power cables have been placed inside green, rather than black ducting. Further details can be found using the "Affected Postcodes.pdf", which can be downloaded from this website. Therefore, you must not rely solely on this plan if you are carrying out any excavation or other works in the vicinity of Virgin Media apparatus. The actual position of any underground service must be verified by cable detection equipment, etc. and established on site before any mechanical plant is used. Accordingly, unless it is due to the negligence of Virgin Media, its employees or agents, Virgin Media will not have any liability for any omissions or inaccuracies in the plan or for any loss or damage caused or arising from the use of and/or any reliance on this plan. This plan is produced by Virgin Media Limited (c) Crown copyright and database rights 2017 Ordnance Survey 100019209.

Duct, Trench | Chamber | Cabinet

stephy.jaison@virginmedia.co.uk

VM.183236

COMMUNICATIONS

Nicole Livie (MK Surveys)

From: NRSWA <NRSWA@sky.uk>
Sent: 07 August 2017 15:41
To: Nicole Livie (MK Surveys)
Subject: Sky Telecommunications Services Ltd Plant Enquiry - PEA-17-08-0072 : MK Surveys - 24301

Nicole Livie
MK Surveys
nicole.livie@mksurveys.co.uk

SKY Telecommunications Services Ltd
70 Buckingham Avenue
SLOUGH
SL1 4PN
Tel: 0207 0323 234/250
Fax: 020 70323252
email: nrswa@sky.uk

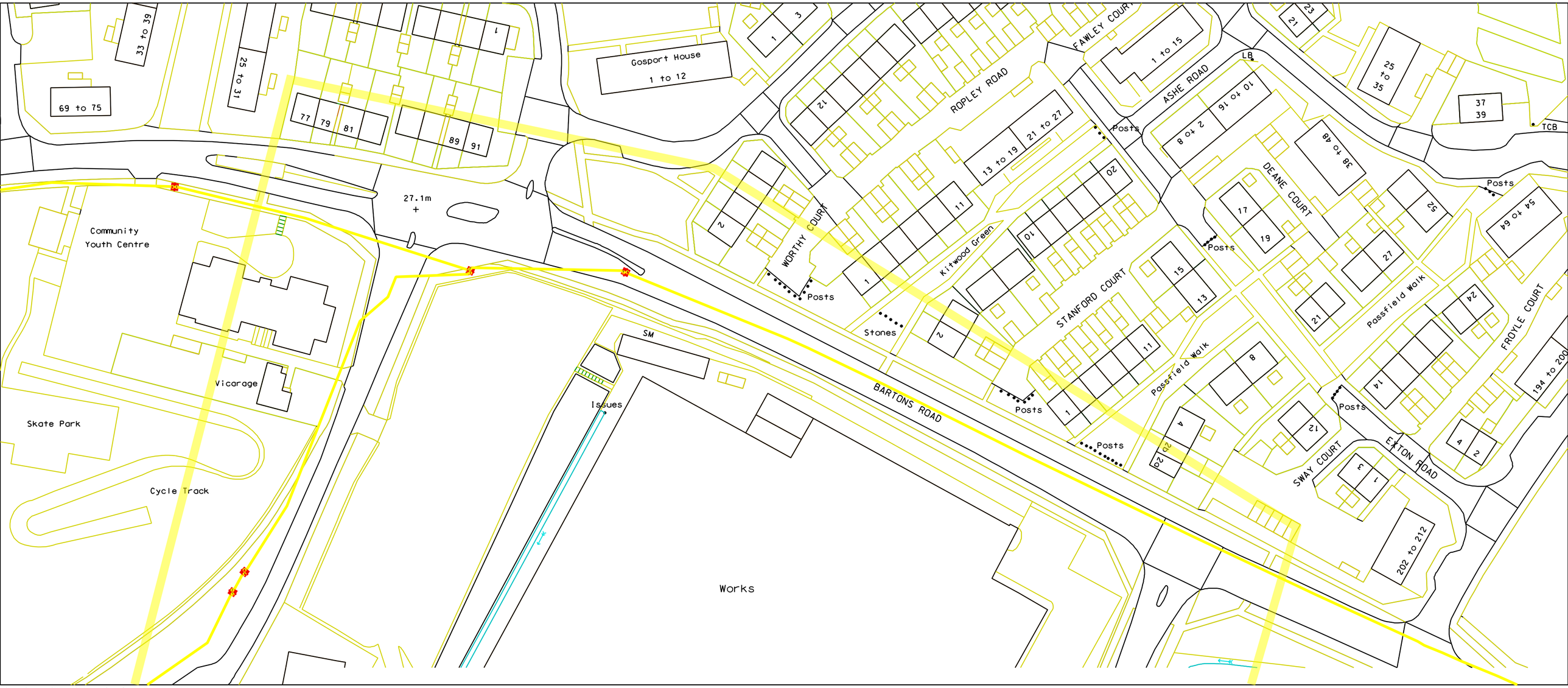
Date	Our Reference	Your Reference
07 August 2017	PEA-17-08-0072	24301

RE: Bartons Road, Havant, Hampshire PO9 STE
E472611,N108024

Further to your enquiry at the location above, the following SKY route(s) are indirectly affected:

SSE (Neos)- HVBG-Havant - Brighton

The SKY route(s) is indirectly affected as we only lease telecoms infrastructure from SSE, who own and are responsible for the maintenance or diversion thereof. For further information or detailed plans for this area, please contact their Enquiry Team.



c:\apps\expres\30aug\30aug.dgn Aug. 30, 2017 14:29:07

Vodafone Network Colour:

Ex-Cable&Wireless UK Network (now Vodafone)

Planned & Approved Route

Planned Route – Awaiting Approval

Other Licensed Operator (OLO)

Ex-Thus Network (now Vodafone)

Ex-Energis Network (now Vodafone)

OLO

Other:

Overhead Electricity Line (non Vodafone)

Network Rail

Other Licensed Operator (OLO).

= Ex-Cable&Wireless UK, Energis and Thus fibre-optic cable within an OLO duct. Please contact all other operators for further details of their apparatus within that area.

Fibre Services
Special Requirements relating to the External Plant Network of Vodafone

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1. Introduction

This document sets out the procedure that will apply when Other Parties intend or are undertaking works in the vicinity of Vodafone apparatus.

2. Purpose of document

This document provides a means by which the Vodafone specific special requirements relating to their apparatus, regardless of it being situated in the public highway / road, private street, land or any other areas, is made aware to Other Parties.

3. Scope

This document will be presented to Other Parties or Contractors to encourage those undertaking works within the vicinity of Vodafone apparatus to refer to and comply with. This is in order to protect where necessary the Vodafone apparatus and to avoid damage to the apparatus and loss of service.

A National Joint Utilities Group (NJUG) document NJUG 9 titled "Recommendations for the Exchange of Records of Apparatus between Utilities" provides useful reference material.

It should be noted that, where appropriate, additional information on avoiding danger from underground apparatus is contained within the HSG47 guidance book titled "Avoiding Danger from Underground Services."

4. Vodafone Network and Apparatus

Damage to Vodafone apparatus is extremely disruptive and can be expensive to repair, especially where long lengths of cable have to be replaced.

In order to maintain the network integrity and minimise disruption to service, it is essential that disturbances are absolutely minimal. When working within the vicinity of Vodafone apparatus, extreme care is necessary in order to avoid costly repairs. The Other Parties / Contractor shall make every effort to ensure that disturbance of Vodafone apparatus is no more than is absolutely necessary for the completion of the works in accordance with their contract.

5. Plant records

It is the responsibility of the Other Parties undertaking works which may affect Vodafone apparatus to obtain all relevant Vodafone plant records from our agent Atkins Global prior to works commencing. This may be done by contacting the Atkins Global Plant Enquiries Team listed in Appendix B.

Plant records for such enquiries will generally be provided within 10 working days of receipt and in compliance with the New Roads and Street Works Act 1991 [NRSWA] requirements. If Vodafone plant is affected, the response will contain reference to this document. Other Parties and Contractors are advised to refer to the National Joint Utilities Group [NJUG] 9 Document which outlines recommendations for the exchange of records of apparatus between utilities.

6. Definitions

The following definitions are applicable in this document:

a) **Apparatus** means all electronic communications apparatus above surface, at the surface or sub-surface apparatus, Cable, Jointing Chamber and plant formerly being apparatus owned or used by the Code Operators Cable & Wireless UK, Energis Communications Limited, Thus Group Holdings Plc and Your Communications Limited including any associated cables or ducts owned, leased or rented by the said Code Operators now owned and used by the Code Operator Vodafone Limited ("Vodafone").

b) **Cable** means any polythene or other sheath containing optical fibres or metallic conductors.

c) **Depth of cover** means the depth from the surface to the topmost barrel of the duct nest, in the case of ducts encased in concrete, to the top of the concrete, and in the case of directly buried cable, the top of the cable.

d) **Jointing chamber** means any manhole, surface box or other chamber giving access to Vodafone apparatus or their network.

e) **Utility** means an organisation licensed to provide gas, water, electricity, Cable TV or telecommunications services.

f) **Developer** means an organisation licensed to develop industrial/residential premises or given license to connect to utility apparatus.

g) **Contractor** means the individual, firm or company contracted to undertake the work for a Utility or Other Parties.

h) **Other Parties** means the Utilities, Highway Authorities, Developers, Street Authority (Roads Authority - Scotland).

i) **Site** means the location of, or in the vicinity of, the various works.

7. Requirements

Prior to commencing any work or moving heavy plant or equipment over any portion of the site, the Other Parties or Contractor shall notify Vodafone of their intentions. This may be done by contacting Atkins Global, contact listed in Appendix B.

Upon receipt of this notification, Atkins Global will identify if Vodafone apparatus is affected. If any Vodafone apparatus is affected by the works then Atkins Global will provide necessary records and confirm details of Vodafone apparatus and network operated within the affected area or adjacent to the proposed work site.

7.1 Location of Plant

It is the responsibility of the Other Parties or Contractors to undertake adequate plant location procedures. These may include searches for metallic cables which must be performed by actively inducing a signal in a cable conductor via a transmitter. A passive search is not considered sufficient.

Before applying a tracing signal to the Vodafone apparatus, the Other Parties or Contractors shall seek confirmation from Atkins Global that the Vodafone apparatus will not suffer any disruption to its networks normal workings as a result of the nature of the signal being induced.

7.2 Trial excavations

Optic fibre cables are very susceptible to damage from excavation tools. They are not electrically conductive and cannot be located by radio induction methods. Once an approximate location is known, the exact location must be ascertained by means of hand dug pilot holes. Where the work to be carried out by the Other Party or Contractor involves excavation in the vicinity of our apparatus, the Other Party or Contractor shall, by trial excavation at his own expense, determine the exact location and depth of the Cable& Wireless Worldwide apparatus. All excavations adjacent to the Vodafone apparatus are to be carried out by hand until the extent and /or location of the apparatus is known.

All excavation work shall be executed in accordance with the current issue of Health and Safety series booklet HSG47, Avoiding danger from underground services.

8. Depths of cover

The Other Party or Contractor should note that the minimum depths of cover for Vodafone apparatus shall be maintained together with specified separation requirements. Where the minimum depths of cover specified by Vodafone cannot be maintained, the Other Party or Contractor shall at their own expense, carry out the instructions of Vodafone requirements for the protection or diversion of their apparatus.

The Other Party or Contractor should have particular regard to the possibility of encountering Vodafone apparatus (including ducts and cables), at depths of cover other than that reported.

Surface cables (such as cables on bridges or walls) which are liable to be placed in danger from the Other Parties or Contractors works shall be protected, at the Other Parties expense, as directed by the Vodafone representative.

9. Separation

Reference should be made to HSG47 to ensure that adequate separation is achieved. The following details outline the specific requirements of Vodafone and capture the HSG47 requirements.

9.1 High voltage cables

High voltage single core cables of 1000 V and above shall have a minimum clearance from Company Apparatus of 500 mm.

High voltage multi-core cables of 1000 V and above shall have a minimum clearance from Company Apparatus of 350 mm.

In exceptional circumstances where the above clearances cannot be maintained, the separating distance may be reduced to a minimum of 175 mm. In such circumstances, concrete, of a quality as directed by the Company Representative, must be inserted to completely fill the space between the High Voltage cable and the Company Apparatus, in accordance with the requirements of the Company Representative. Any further services must have a minimum clearance of 250 mm from the concrete.

9.2 Low voltage cables

Low voltage cables of less than 1000 V shall have a minimum clearance from Company Apparatus of 180 mm. In exceptional circumstances where the above clearance cannot be maintained, the separating distance may be reduced to a minimum of 75 mm. In such circumstances, concrete, of a quality as directed by the Company Representative, must be inserted to completely fill the space between the services, in accordance with the requirements of the Company Representative. Any further services must have a minimum clearance of 250 mm from the concrete.

9.3 Ancillary electrical apparatus

Lamp posts, traffic posts and other such ancillary electrical apparatus shall have a minimum clearance of 150 mm from underground Company Apparatus and 600mm clearance from above ground Company Apparatus.

9.4 High pressure gas mains and other Undertakers plant/equipment

High pressure gas mains shall have a minimum clearance of 450 mm from Company Apparatus. All other undertakers' plant and equipment, when running in parallel with Company Apparatus, shall have a minimum clearance of 200mm. Where gas mains cross Company Apparatus, the minimum clearance shall be 200mm. All other undertakers' plant and equipment, when running across Company Apparatus, shall have a minimum clearance of 100 mm.

9.5 Other Undertakers plant

Other undertakers' plant and equipment which runs in parallel with Company Apparatus shall have a minimum clearance of 200mm. All other undertakers' plant and equipment when running across Company Apparatus shall have a minimum clearance of 100mm.

9.6 Tramways

Each separating distance shall be individually agreed with the Company Representative.

10. Jointing chambers

10.1 Protection

Footway type jointing chambers are not designed to withstand carriageway loadings.

Where such chambers are liable to be placed at risk, either temporarily or permanently, from vehicular traffic or from the movement of plant and/or equipment, they will need to be adequately protected. Alternatively, they may have to be demolished and rebuilt to carriageway standards, at the Other Parties or Contractors expense under supervision of Vodafone representative.

All Vodafone jointing chambers and / or other access points shall be kept clear and unobstructed. Access for vehicles, winches, cable drums and / or any further equipment required by Vodafone for the maintenance of its apparatus, must be maintained at all reasonable times.

10.2 Access

The covers to Vodafone jointing chambers and / or apparatus shall only be lifted by means of the appropriate keys and under the direct supervision of a Cable& Wireless Worldwide representative. Other Parties or Contractors shall not enter any Vodafone jointing chamber and / or apparatus unless under the supervision of a Vodafone representative and in any case not before the mandatory gas test has been carried out in the presence of Vodafone representative and such checks have shown it to be safe to enter the Vodafone chamber and / or apparatus. The Other Parties or Contractors shall be given reasonable access to Vodafone apparatus and chambers when required.

11. Notification periods

Where the Other Parties or Contractors works or the movement of plant or equipment may endanger Vodafone apparatus, the Other Party or Contractor shall give the Vodafone agent Atkins Global [as indicated at Appendix B] at least 7 working days notice in writing of the intended date to commence operations.

No excavation should be made without first consulting the relevant Vodafone apparatus layout drawings, which will be made available from the Vodafone agent Atkins Global on request and allowing 28 working days for processing the relevant drawings. However, should this not be possible, direct contact should be made to the Atkins Global Bristol Plant Enquiries Team as soon as possible to assess the situation.

When excavating, moving or backfilling (including use of Foamed Concrete for Reinstatements – FCR) around Vodafone apparatus, Atkins Global (as agent for Vodafone) shall be given adequate prior written notice of the Other Parties or Contractors intentions, in order that the works may be adequately supervised. Such notice shall not be less than 3 working days.

12. Excavation and backfill

All excavations adjacent to Vodafone apparatus are to be carried out by hand until the extent and or location of the Vodafone apparatus is known.

Use of mechanical borers and / or excavators shall not be used without the supervisory presence of a Vodafone representative or a given exemption.

Shuttering of the excavation or support to Vodafone apparatus, at the Other Parties or Contractors expense, shall be used as directed by the Vodafone representative.

At least 7 working days notice must be given to Vodafone in order that any special protective measures which may be required to protect Vodafone apparatus, at the Other Parties or Contractors expense, when equipment such as pile driving, explosives, laser cutting high powered RF equipment or RF test gear, is to be used in conjunction with the works.

Other Parties or Contractors are advised to refer to the National Joint Utilities Group [NJUG] 4 Document which outlines the identification of small buried mains and services.

13. Foam concrete

If foam concrete is being used as the backfill material, it shall not be used either above or within 500 mm of any Company Apparatus. A suitable material in accordance with the specification for the Reinstatement of Openings in Highways shall be substituted.

14. Attendance of Company Representative

If a situation requires the attendance on site of a Vodafone representative for a continuous period of more than 6 hours, suitable facilities shall be provided by the Other Party or Contractor, at their expense, to meet the office and ablution requirements.

15. Damage reports

In the event of any damage whatsoever occurring to Vodafone apparatus, the Other Party or Contractor shall immediately inform Vodafone by contacting Julia Burgoyne, (for contact details please refer to Appendix B).

All relevant costs of any subsequent repair and / or removal of the Vodafone apparatus shall be charged to the Other Party or Contractor, irrespective of who affects the repair.

The above requirements do not relieve the Other Party or Contractor of any of their obligations under their contract.

Appendix A - office address details

Glasgow Office

Vodafone
Pavillion 1
1 – 2 Berkeley Square
99 Berkeley Street
Glasgow
G3 7HR

Bristol Office

Vodafone
Unit 1,
Tamar Road
St Philips
Bristol
BS2 0TY

Manchester Office

Vodafone
Unit M
Atlas Business Park
Wythenshawe
Manchester
M22 5RR

Appendix B – Street Works Team Contacts for Vodafone

Function	Name	Job Title	Address	Phone	Mobile	Fax	Email Address
Co-ordination	Sandra Semple	National Street Works Manager	Glasgow Office (see above)	0141 303 2857	07775 792133	0141 300 9611	sandra.semple@cw.com
Customer Complaints	CMC	Customer Management Centre	n/a	08456 021585	n/a	n/a	n/a
Liability Claims	Julia Burgoyne	Major Incident Resolution Coordinator	Bristol Office (see above)	01454 895114	07803 259857	n/a	julia.burgoyne@cw.com
Diversionary Works	Samantha Wilkinson	C3 Diversionary Works Project Controller	Manchester Office (see above)	0161 423 2740	n/a	n/a	samantha.wilkinson@cw.com
Emergencies (24 Hour)	CMC	Customer Management Centre	n/a	08456 021585	n/a	n/a	n/a
Plant Enquiries- Including Thus Plc, (formerly Scottish Telecom), Your Comms (formerly Norweb), Energis & Mercury Communications	Plant Enquiries Team	n/a	Atkins Global PO Box 290 500 Aztec West, Almondsbury, Bristol, BS32 4RZ	01454 662881	n/a	01454 663330	Osm.Enquiries@atkinsglobal.com

16. About this Document

Content Owner
Price, David J

Changes since last version
Reformatted using the current Vodafone template.

End of Document

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C2 - Vodafone Restricted

Nicole Livie (MK Surveys)

From: Plantenquiries <plantenquiries@catelecomuk.com>
Sent: 14 August 2017 09:52
To: Nicole Livie (MK Surveys)
Subject: RE: 24301 - Bartons Road, Havant, Hampshire PO9 STE - Asset Location Enquiry

Please Note: Our search criteria has changed. We previously searched for Colt Network which was within 200 metres, this has now changed to 50 metres. The negative response will be for all enquiries that the network is 50 metres or more away from the place of enquiry.

Dear Sir/Madam,

Thank you for your enquiry for the above reference.

We can confirm that Colt Technology Services do not have apparatus near the above location as presented on your submitted plan, if any development or scheme amendments fall outside the 50 metre perimeter new plans must be submitted for review.

Search is based on Overseeing Organisation Agent data supplied; we do not accept responsibility for O.O. Agent inaccurate data.

If we can be of any further assistance please do not hesitate to contact us.

Kind regards,

Plant Enquiry Team

C.A. TELECOM UK LIMITED

Nicole Livie (MK Surveys)

From: Plant Enquiries <plantenquiries@psgservices.co.uk>
Sent: 14 August 2017 14:21
To: Nicole Livie (MK Surveys)
Subject: 24264 R1 - Racecourse Road, Newbury, Berkshire RG14 7NZ -

To Whom It May Concern:

Thank you for your recent enquiry regarding your proposed work at the above location.

euNetworks Fiber UK Limited do not have plant in the vacinity of your proposed works and no strategic additions to our existing network are envisaged in the immediate future.

This information is only valid for a period of 3 months so, if your start date is 3 months or more from the date of this email, please re-apply for updated information at our generic email addre
ss: plantenquiries@psgservices.co.uk.

Kind regards

ALL PLANT ENQUIRIES AND DIVERSIONARY REQUESTS SHOULD BE ADDRESSED BY EMAIL TO THE OPERATIONS TEAM AT plantenquiries@psgservices.co.uk , WITH A PLAN AND FULL POSTAL ADDRESS OF YOUR ENQUIRY, THANK YOU

eunetworks

For and on behalf of euNetwork Fiber UK Limited

Regards

Stuart Green

Nicole Livie (MK Surveys)

From: Plantenquiries <Plantenquiries@instalcom.co.uk>
Sent: 10 August 2017 12:22
To: Nicole Livie (MK Surveys)
Subject: E08-17-1968 RE: 24301 - Bartons Road, Havant, Hampshire PO9 STE - Asset Location Enquiry

Dear Sir or Madam,

Thank you for your plant enquiry below.

We can confirm that Level 3, Global Crossing (Uk) Ltd, Global Crossing PEC, Fibernet UK Ltd and Fibrespan Ltd do not have any apparatus within the indicated works area.

Instalcom responds to plant enquiries for all of the above and therefore you only need send one plant enquiry to cover all of these companies.

Please note that this response is only valid for 3 months. If your works do not commence within this time period, please resubmit your plant enquiry for assessment before any works commence.

Regards

Plant Enquiries Dept
Instalcom Limited
Borehamwood Ind. Park
Rowley Lane
Borehamwood
WD6 5PZ

Office: +44 (0)208 731 4613
Fax: +44 (0)208 731 4601
Email: plantenquiries@instalcom.co.uk
Web: http://www.instalcom.co.uk

Nicole Livie (MK Surveys)

From: Interoute Enquiries <interoute.enquiries@plancast.co.uk>
Sent: 04 August 2017 12:56
To: Nicole Livie (MK Surveys)
Subject: RE: 24301 - Bartons Road, Havant, Hampshire PO9 STE - Asset Location Enquiry

This response does not include Vtesse or Easynet plant, please continue to use Vtesse or Easynet details for their enquiries

To whom it may concern

Thank you for your enquiry regarding the above proposals at the above location

We would advise that we are unaware of any Interoute plant or services in this Location as indicated in your enquiry.

We bring to your attention the fact that whilst we try to ensure the information we provide is accurate, the information is provided Without Prejudice and Interoute and its Agents accept no liability for claims arising from any inaccuracy, omissions or errors contained in this response.

All responses are only vaild for 28 days

Yours faithfully

PLANCAST Plant Enquiry Department

The Old Haybarn
Rosebery Mews, Mentmore
Bedfordshire LU7 0UE

Nicole Livie (MK Surveys)

To: Gordon Livie (MK Surveys)
Subject: FW: PLANT ENQUIRY RESPONSES - NOT AFFECTED - TATA

From: Greg Turberfield [mailto:Greg.Turberfield@mcnicholas.co.uk]
Sent: 04 September 2017 12:40
To: Nicole Livie (MK Surveys) <nicole.livie@mksurveys.co.uk>
Subject: RE: PLANT ENQUIRY RESPONSES - NOT AFFECTED - TATA

The locations below are NOT AFFECTED by TATA apparatus.

24303	MK Surveys	Café Field Standon road Puckeridge Hertfordshire SG11 1PW
24302	MK Surveys	Delamare road Cheshunt hertfordshire EN8 9AP
24301	MK Surveys	Bartons road Havant hampshire PO9 STE

FROM 1ST JULY 2017, McNICHOLAS WILL NO LONGER REPRESENT KPN FOR PLANT PROTECTION.

Please send all enquiries after this date to kpn.plantenquiries@instalcom.co.uk

Please quote these references on any correspondence.

Please note:
McNicholas, on behalf of our client, accept no liability for claims arising from inaccuracies, omissions or errors contained within your plant enquiry request.

If you require further information please do not hesitate to contact us.

telent
Mayne House
Fenton Way
Basildon
Essex
SS15 6TD
United Kingdom

Telephone: +44 (0)800 526 015

www.**telent**.com

Date 14/08/2017
Our Ref OSA170814

Dear Sir/Madam

Teliasonera Line Plant Enquiry.

Thank you for your correspondence enclosing details of your proposals. Our client's apparatus, Teliasonera, is not located within the vicinity of the above reference and we therefore have no further interest in this current location.

Please note that all enquiries relating to the Teliasonera line plant should be forwarded to:

By post – to, telent,

Teliasonera line plant enquiries,

Mayne House,

Fenton Way,

Basildon,

Essex

SS15 6TD

By email - to, telenttelia.plantenquiries@telent.com

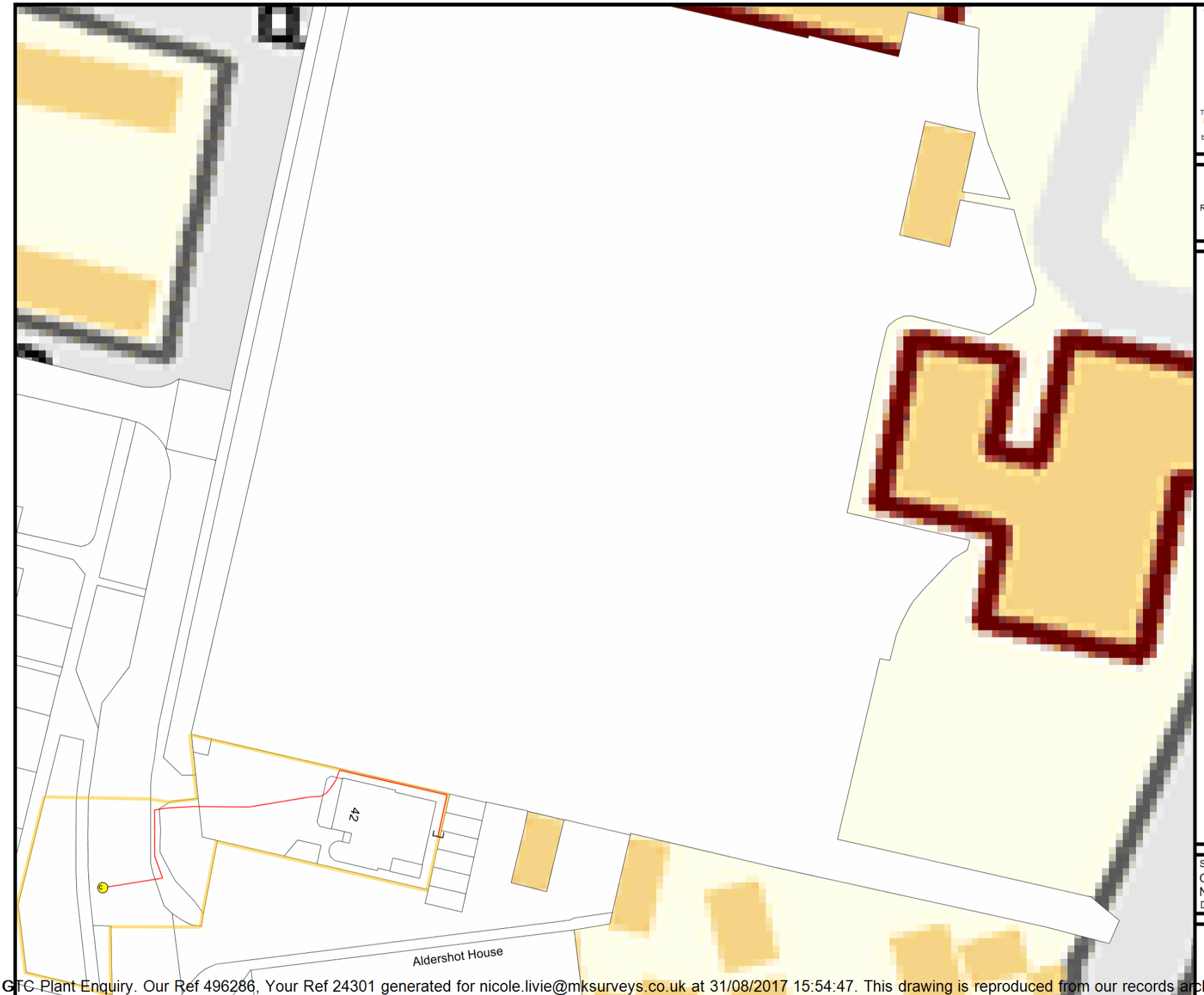
By phone – to, 01268 412670

Yours faithfully

Telent CCO

Basildon

NEW INSTALLATIONS



This plan must be available on site when excavation is taking place. The information shown on this plan is given without obligation or warranty. The accuracy thereof cannot be guaranteed. Where service cables and apparatus etc, are not shown, their presence must be anticipated. To the maximum extent permitted by law, no liability of any kind whatsoever (including liability or negligence) is accepted by GTC or the asset owners, their employees, contractors, agents or servants for any error or omission. The actual position of apparatus must be verified and established on site before any mechanical plant is used. Mechanical excavators should not be used within 0.5m of any apparatus. The information provided relates only to plant previously owned by companies within the Inexus group. It is advised that other utilities may have apparatus in the area and therefore must be contacted regarding details of their apparatus. This drawing may not include gas services.

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N

Legend

Gas Pipe
- LP Pipe
- MP Pipe
- IP or Service Pipe

Gas Node
- Connection Point
- Reducer
- Capend

Gas PRI

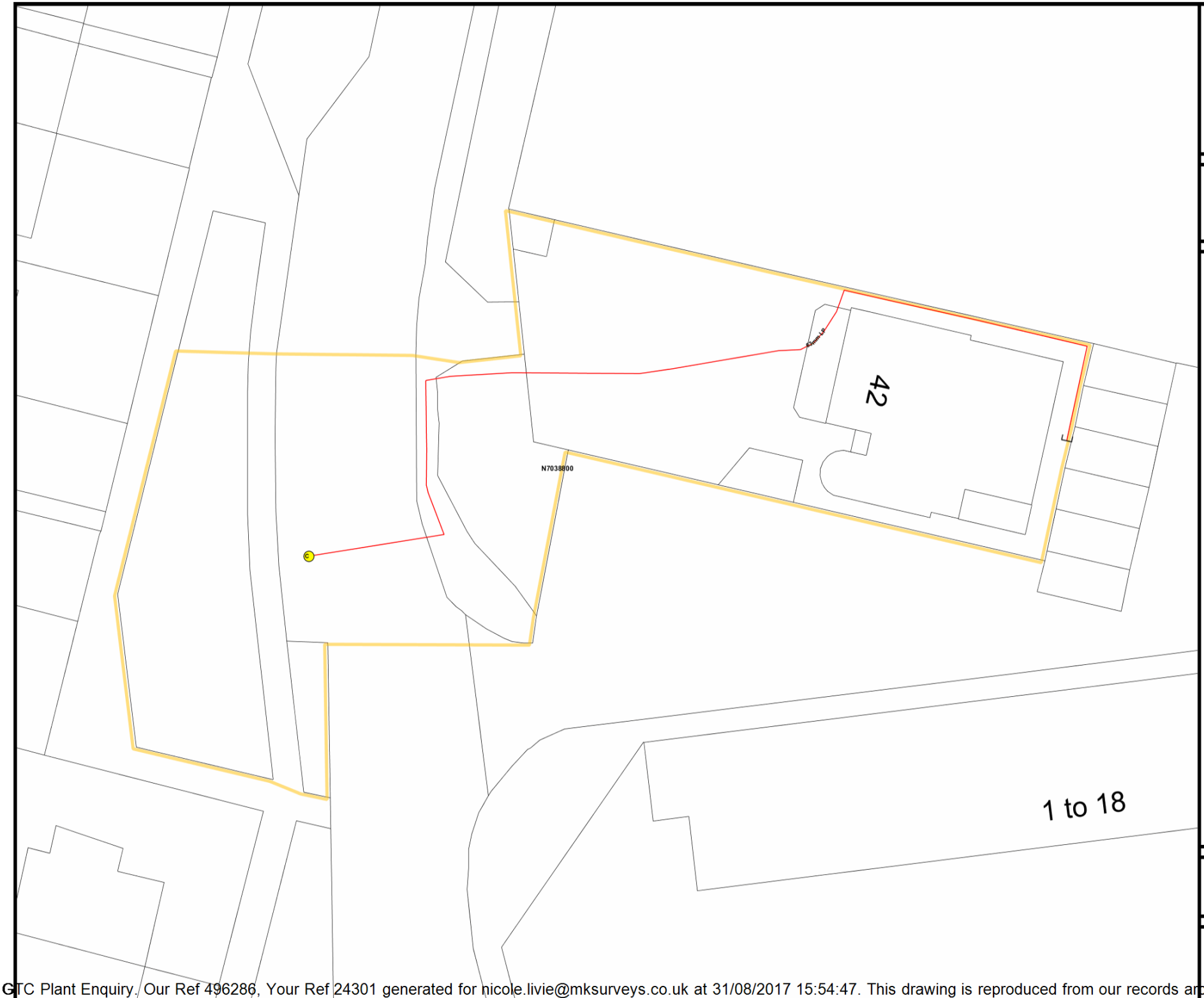
0 — 21.6m

SCALE: 1:500 **A3**
O.S.REF: 472616,108292
N7038800_2_of_2 Gas
Date: 02-08-2014

A group member of Brookfield Utilities UK
Energy House
Woolpit Business Park
Woolpit
Suffolk IP30 9UP

gtc ...leading utility networks

GTC Plant Enquiry. Our Ref 496286, Your Ref 24301 generated for nicole.livie@mksurveys.co.uk at 31/08/2017 15:54:47. This drawing is reproduced from our records archive at the time of enquiry.



This plan must be available on site when excavation is taking place. The information shown on this plan is given without obligation or warranty. The accuracy thereof cannot be guaranteed. Where service cables and apparatus etc, are not shown, their presence must be anticipated. To the maximum extent permitted by law, no liability of any kind whatsoever (including liability or negligence) is accepted by GTC or the asset owners, their employees, contractors, agents or servants for any error or omission. The actual position of apparatus must be verified and established on site before any mechanical plant is used. Mechanical excavators should not be used within 0.5m of any apparatus. The information provided relates only to plant previously owned by companies within the Inexus group. It is advised that other utilities may have apparatus in the area and therefore must be contacted regarding details of their apparatus. This drawing may not include gas services.

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N

Legend

Gas Pipe
- LP Pipe
- MP Pipe
- IP or Service Pipe

Gas Node
- Connection Point
- Reducer
- Capend

Gas PRI

0 9.6m

SCALE: 1:222 **A3**
O.S.REF: 472562,108240
N7038800_1_of_2 Gas
Date: 02-08-2014

A group member of Brookfield Utilities UK
Energy House
Woolpit Business Park
Woolpit
Suffolk IP30 9UP

gtc ...leading utility networks

GTC Plant Enquiry. Our Ref 496286, Your Ref 24301 generated for nicole.livie@mksurveys.co.uk at 31/08/2017 15:54:47. This drawing is reproduced from our records archive at the time of enquiry.

SAFE WORKING IN THE VICINITY OF UTILITY NETWORKS

(Refer to the HSE Guidance Document HSG47)

General

1. It is imperative that all works are carried out in accordance with the guidance provided by the HSE in their document HSG47 "Avoiding Danger from Underground Services", ISBN 0-7176-1744-0. No party should carry out any excavation works or other intrusive works such as piling, blasting or demolition without following the guidance in HSG47.

2. We own gas, electricity, water and fibre apparatus located in the highway, private property and through the countryside. Some plant may be located in land for which a wayleave or easement has been granted & there may be no surface evidence of the presence of apparatus.

3. Ensure that you have obtained detailed plans of existing and proposed gas, electricity water and fibre networks.

4. The position of the networks should be pinpointed as accurately as possible by reference to the plans and by means of a locating device, which has been tested and calibrated within the last twelve months.

   Excavation work should be carried out where applicable, and carefully follow recognised safe digging practices. Once a locating device has been used to determine position and route, excavation may proceed; trial holes should be dug using suitable hand tools to confirm the position of buried networks. During excavation the locating device should be reused to check position and route of buried apparatus.

5. Hand-held power tools can damage buried apparatus and should be used with care until the exact position has been determined. They may only be used to break a paved or concrete surface above the network, unless there are any indications that the network is particularly shallow, in such circumstances, accuracy of plant location is determined and excavation initiated adjacent to the apparatus.

6. No manhole, chamber or other structure should be built over, around or under the network. Such structures, other pipes, ducts and cables should be laid to provide a minimum clearance from the network of 300mm or 1.5 times the diameter of the network, whichever is the greater. No work should be carried out if this minimum clearance cannot be met or which results in a reduction of cover or protection over the network, without first consulting GTC.

7. Where an excavation uncovers a network apparatus the backfill should be adequately compacted, particularly beneath the network, to prevent any settlement, which would subsequently damage the network. Backfill material adjacent to the network should be selected fine material or sand, containing no stones, bricks or lumps of concrete etc. and should be suitably compacted to give comparable support and protection to that provided before excavation. No power compaction should take place until 200mm cover of selected fine fill has been suitably compacted by hand tools.

8. If the road construction is close to the top of the network, GTC should be asked about necessary precautions. The road construction depth should not be reduced without permission from the local Highway Authority.

9. Costs incurred by GTC through direct or consequential damage will be recharged.

Precautions for Gas Networks

10. Plans do not always show the presence of gas service pipes (from the gas main to premises) but their existence should be assumed.

11. The depth of cover for gas mains is normally 750mm in carriageways and grass verges and 600mm in footways. The depth of cover for gas services is normally 450mm. Remember these covers are to finished level, you may be working in an area, which will be made up or lowered at a later date.

12. Plastic gas pipes should be located by hand digging before mechanical excavation begins. When the positions and depth of the pipes have been determined, work can proceed.

13. The danger created by damaging a gas pipe with an excavator is much greater than if the damage is done with a hand-held power tool (the opposite is true for work near electricity cables and this is reflected in the different safe digging practices). Gas pipes may have projections such as valve housings, which are not shown on the plans and to allow for this mechanical excavators should not be used within 500mm of a gas pipe.

14. If a gas leak is suspected, the following action should be taken immediately:

    - Remove all people from the immediate vicinity of the escape. If the service connection to a building or the adjacent main has been damaged, warn the occupants to leave the building, and any adjoining building, until it is safe for them to return. It is important to note that a mechanical excavator may not only cause damage/leakage at the point of impact. For example, damage to a service connection outside the building may result in further, unseen damage to the connection inside the building. Gas leaking from the damage inside or gas travelling along the line of the service connection pipe from outside the building may cause a build-up of gas within the building.
    - Prohibit smoking, and extinguish all naked flames and other sources of ignition i.e. stop excavator and compressor engines within at least 5.0m of the leak.
    - Inform National Grid by dialling **0800 111 999**
    - Remain on site.
    - Assist National Grid staff, Police or Fire Services as requested.

15. Where gas pipes cross or are parallel and close to excavations, changes in backfill etc. may cause differential ground settlement and increased stress in the pipe. For pipes parallel and close to excavations, the degree of risk depends upon the depth of the excavation, the distance of the pipe from the excavation, the type of soil and any excessive loading from heavy construction plant and materials. Wherever excavation works may affect the support of the gas pipe or cause excessive loading over the gas pipe then GTC must be consulted.

16. No concrete or other hard material should be placed or left under or adjacent to any gas pipe as this can cause pipe fracture at a later date. Concrete backfill should not be used within 300mm of a gas pipe.
17. Where an excavation uncovers a gas pipe with a damaged wrapping, GTC should be told, so that repairs can be made to prevent future corrosions and leakage.
18. Pipe restraints or thrust blocks close to gas mains should never be removed.
19. Anyone who carries out work near underground gas plant should observe any specific requirements made by the site manager, and ensure that access to the plant by National Grid Gas and GTC staff is available at all times. No unauthorised repairs to gas pipes should be made.
20. Where excavation is within 5 metres proximity to above or below ground pressure control equipment, ground workers must be aware of the possibility of encountering small impulse pipe work that is more susceptible to damage.
21. Where PE pipes and cables have been exposed and it is intended hot work (e.g. welding, grinding, etc) be carried out, contact must be made with GTC to confirm additional precautions and actions that may require to be undertaken.
22. GTC should be consulted if it is intended to carry out any of the following activities:
    - using explosives within 30m of gas pipes or 400m of gas pressure reduction equipment
    - piling or boring within 15m of gas plant
    - excavating within 10m of pressure reduction equipment
    - reducing the cover or protection of a gas pipe
    - carrying out nearby deep excavations
    - working near our intermediate pressure (IP) mains.

Precautions for Electricity Networks

23. Plans do not always show the presence of electric service cables (from the electricity main to premises) but their existence should be assumed.
24. In most cases there will be no permanent surface marker posts or other visible indication of the presence of a buried cable. Even if no cables are shown on plans or detected by a locator, there may still be cables present, which could be live and a close watch should be kept for any signs which could indicate their presence such as marker tape, tape tile, concrete tiles and wooden battens. Any marker which is disturbed by our excavations must be replaced once work is completed.
25. Typically underground cables are laid in trenches between 450mm and 1.0m deep, although some high voltage cables will be deeper, however, depths should never be assumed.
26. A cable is positively located only when it has been safely exposed. Even then, digging should still proceed with care as there may be other cables adjacent or lower down.

27. Occasionally, cables are terminated in the ground by means of a seal, sometimes with external mechanical protection. These "pot ended" or "bottle ended" cables should be treated as live and should not be assumed to be abandoned or disused. They can be difficult to detect with locators even when "live".

28. Using hand held power tools to break up hard surfaces often leads to accidents. Where practicable, such power tools should only be used 500mm or more away from the indicated line of a cable buried in or below a hard surface. Having done so, the cable should then be positively located by careful hand digging under the hard surface. The hard surface should be gradually removed until the cable is exposed. If the cable is not exposed then it must be assumed to be embedded within the surface. Where possible a cable locator should be used as a depth guide down the side of the excavation.

29. Because of the difficulty in confirming depth, hand held power tools should never be used over the cable unless either:

    - the cable has already been exposed by digging under the surface to be broken out and it is at a safe depth (at least 300mm) below the bottom of the hard surface material; or
    - physical precautions have been taken to prevent the tool striking the cable.

30. Excavating close to electricity cables buried in concrete is dangerous and should not be undertaken unless the cable(s) have been isolated. For this reason alone electricity cables should not be buried in concrete.

31. Using mechanical means to break up concrete can cause damage to cables and if the cable is live, anyone present is likely to be injured.

32. Where mechanical excavators are used in the possible vicinity of underground cables, the work should be arranged so that damage to cables is avoided so far as is reasonably practicable and so that everyone is kept well clear of the excavator bucket while it is digging. Drivers should have been instructed to stay in the cab if a cable is struck. If they have to leave the cab, they should jump clear. If drivers climb down, they may be electrocuted. When a cable is struck, a watch should be kept on the machine and no one should go down into the excavation or approach the mechanical excavator or the cable until GTC are contacted and arranged for the damaged cable to be made safe.

33. Where cables have been exposed:

    - any damage should be reported to GTC immediately on **0800 032 6990** and work should not be undertaken in the vicinity of a damaged cable until GTC has investigated its condition;
    - for more than 1.0m and they cross a trench, support should be provided. If the exposed cable length is shorter than 1.0m support should still be considered if joints have been exposed or the cable appears otherwise vulnerable to damage. Where advice and help is needed contact GTC;

- Suitable precautions should be taken to prevent damage from on-going work in the excavation. This may involve for example the use of physical means (e.g. timber boards, sandbags etc) to prevent mechanical damage. Materials or equipment which could damage or penetrate the outer sheath of the cable should not be used. Cables lying in the bottom of an excavation are particularly vulnerable and should be protected by nail free wooden planks, troughing or other suitable means;
- cables should not be moved aside unless the operation is supervised by GTC;
- Precautions should be taken to prevent access by members of the public.

34. GTC should be consulted if it is intended to carry out any of the following activities:

- using explosives within 30m of plant or substations piling or boring within 15m of electric plant
- excavating within 10m of a substation
- carrying out nearby deep excavations
- working near our HV plant.

Precautions for Water Networks

35. Plans do not always show the presence of water service pipes (from the water main to premises) but their existence should be assumed.

36. The depth of cover for water mains is normally 750mm in carriageways and grass verges and 750mn footways. The depth of cover for water services is normally 450mm. Remember these covers are to finished level, you may be working in an area, which will be made up or lowered at a later date.

37. Water mains should be located by hand digging before mechanical excavation begins. When the positions and depth of the pipes have been determined, work can proceed.

38. The danger created by damaging a water pipe with an excavator is much greater than if the damage is done with a hand-held power tool (the opposite is true for work near electricity cables and this is reflected in the different safe digging practices). Water pipes may have projections such as valve housings, which are not shown on the plans and to allow for this mechanical excavators should not be used within 500mm of a water pipe.

39. If a water leak is suspected, the following action should be taken immediately:

- Remove all people from the immediate vicinity of the damage. It is important to note that a mechanical excavator may not only cause damage/leakage at the point of impact. For example, damage to a service connection outside the building may result in further, unseen damage to the connection inside the building.
- Shut down all working plant and machinery in the vicinity of the damage

- Inform IWNL by dialling **02920 028 711**.
- Remain on site.
- Do not attempt to make a repair.
- Assist GTC, approved contractors and Police or Fire Services as requested.

40. Where water pipes cross or are parallel and close to excavations, changes in backfill etc. may cause differential ground settlement and increased stress in the pipe. For pipes parallel and close to excavations, the degree of risk depends upon the depth of the excavation, the distance of the pipe from the excavation, the type of soil and any excessive loading from heavy construction plant and materials. Wherever excavation works may affect the support of the water pipe or cause excessive loading over the water pipe then GTC must be consulted.

41. No concrete or other hard material should be placed or left under or adjacent to any water pipe as this can cause pipe fracture at a later date. Concrete backfill should not be used within 300mm of a water pipe.

42. Where an excavation uncovers a water pipe with a damaged wrapping, GTC should be told, so that repairs can be made to prevent future corrosions and leakage.

43. Pipe restraints or thrust blocks close to water mains should never be removed.

44. Anyone who carries out work near underground water plant should observe any specific requirements made by the site manager, and ensure that access to the plant by GTC staff is available at all times. No unauthorised repairs to water pipes should be made.

45. Where PE pipes and cables have been exposed and it is intended hot work (e.g. welding, grinding, etc) be carried out, contact must be made with GTC to confirm additional precautions and actions that may require to be undertaken.

46. GTC should be consulted if it is intended to carry out any of the following activities:
    - using explosives within 30m of plant
    - piling or boring within 15m of water plant
    - excavating within 10m of water asset structures
    - reducing the cover or protection of a water main or service
    - carrying out nearby deep excavations

Precautions for Fibre Networks

47. Plans may not always show the presence of fibre ducts but their existence should be assumed if GTC advise they have fibre services deployed in the given area. Any planned excavation work should only proceed with due care and attention.

48. Chambers with IFNL marked lids can be used as an onsite indictor that GTC have fibre plant deployed in a given area however an exclusion of their presence does not necessarily mean there is no plant present.

49. In most cases there will be no permanent surface marker posts or other visible indication of the presence of a buried fibre duct. Even if no ducts are shown on plans there may still be ducts present which could have live fibre service installed. A close watch should be kept for any signs which could indicate duct presence such as marker tape. Any marker which is disturbed by our excavations must be replaced once work is completed.

50. The depth of cover for fibre duct is normally 350mm in footways and grass verges, 600mm in carriageways and 1000mm in agricultural deployments. Remember these covers are to finished level, you may be working in an area, which will be made up or lowered at a later date.

51. Fibre ducts should be located by hand digging before mechanical excavation begins. When the positions and depth of the ducts have been determined, work can proceed. Even then, digging should still proceed with care as there may be other ducts adjacent or lower down.

52. If fibre duct damage is suspected, the following action should be taken immediately:

    - Remove all people from the immediate vicinity of the damage. It is important to note that a mechanical excavator may not only cause damage at the point of impact. For example, damage to a fibre connection outside the building may result in further, unseen damage to the connection inside the building.
    - Shut down all working plant and machinery in the vicinity of the damage
    - Inform IFNL NOC immediately on **0845 051 1669**.
    - Remain on site.
    - Do not attempt to make a repair.

53. Where fibre ducts cross or are parallel and close to excavations, changes in backfill etc. may cause differential ground settlement and increased stress on the duct. For ducts parallel and close to excavations, the degree of risk depends upon the depth of the excavation, the distance of the duct from the excavation, the type of soil and any excessive loading from heavy construction plant and materials. Wherever excavation works may affect the support of the fibre duct or cause excessive loading over the fibre duct then GTC must be consulted.

54. No concrete or other hard material should be placed or left under or adjacent to any fibre duct as this can cause damage to the duct at a later date. Any backfill should comply with the requirements of NRSWA. Concrete backfill should not be used within 300mm of a fibre duct.

55. Anyone who carries out work near underground fibre plant should observe any specific requirements made by the site manager, and ensure that access to the plant by GTC staff is available at all times. No unauthorised repairs to fibre ducts should be made.

56. Where fibre ducts have been exposed and it is intended hot work (e.g. welding, grinding, etc) be carried out, contact must be made with GTC to confirm additional precautions and actions that may require to be undertaken.

57. GTC should be consulted if it is intended to carry out any of the following activities:

- using explosives within 30m of plant or fibre asset structures
- piling or boring within 15m of fibre plant
- excavating within 10m of fibre asset structures (including the OSCP)
- reducing the cover or protection of a fibre duct
- carrying out nearby deep excavations

Nicole Livie (MK Surveys)

From: Plant Enquiries <plantenquiries@energetics-uk.com>
Sent: 07 August 2017 12:02
To: Nicole Livie (MK Surveys)
Subject: RE: 24301 - Bartons Road, Havant, Hampshire PO9 STE - Asset Location Enquiry

Dear Sir/Madam,

Thank you for submitting your recent plant enquiry.

Based on the information provided, I can confirm that Energetics does not have any plant within the area(s) specified in your request.

Please be advised that it may take around 10 working days to process enquiries. In the unlikely event that you have been waiting longer than 10 working days, or require further assistance with outstanding enquiries, please call 01698 404979.

Please ensure all plant enquiries are sent to plantenquiries@energetics-uk.com

Regards

Plant Enquiries

energetics
WE DESIGN • WE BUILD • WE CONNECT

E: plantenquiries@energetics-uk.com
W: www.energetics-uk.com

Fenick House, Lister Way, Hamilton International Technology Park, Glasgow, G72 0FT

From: Nicole Livie (MK Surveys) [mailto:nicole.livie@mksurveys.co.uk]
Sent: 04 August 2017 12:31
Subject: 24301 - Bartons Road, Havant, Hampshire PO9 STE - Asset Location Enquiry

TRANSPORT

Nicole Livie (MK Surveys)

From: Purser Richard <Richard.Purser@networkrail.co.uk> on behalf of OP Buried Services Enquiries <OPBuriedServicesEnquiries@networkrail.co.uk>
Sent: 07 August 2017 09:53
To: Nicole Livie (MK Surveys)
Subject: RE: 24301 - Bartons Road, Havant, Hampshire PO9 STE - Asset Location Enquiry

Dear Sir/Madam,

With regards to your enquiry, Network Rail does not believe there is any Network Rail owned apparatus or underground services within the area you have defined. As there is always the possibility that new works could be planned and undertaken in this area by Network Rail this information is valid as at today's date and is supplied for general guidance only.

Please be aware that this response is based on Network Rail's records and knowledge and no guarantee can be given regarding accuracy or completeness. CAT scans, safe digging practices (as contained in HSE publications) and other appropriate investigative techniques should always be carried out.

There may be other apparatus or underground services owned or operated by Utility Companies and accordingly you should contact individual utilities for information.

If, in connection with your investigations and/or work, you become aware of Network Rail apparatus or underground services within your area of work, please ensure these are notified to our Asset Protection team via the following link as a matter of urgency so that appropriate measures for avoidance of risk and damage can be put in place.

http://www.networkrail.co.uk/aspx/1758.aspx?cd=1

If you require any further clarification on any of the information please contact opburiedservicesenquiries@networkrail.co.uk.

Regards,

Richard Purser
Distribution Administrator (Underground Services), Asset Information Services

Asset Information Services: to inspire & enable through the power of data
National Records Group, Audax Road, Clifton Moor York YO30 4US

T: 01904 386 388
E: richard.purser@networkrail.co.uk

Nicole Livie (MK Surveys)

From: TM Plant Enquiries <plantenquiries@trafficmaster.co.uk>
Sent: 11 August 2017 10:18
To: Nicole Livie (MK Surveys)
Subject: RE: 24301 - Bartons Road, Havant, Hampshire PO9 STE - Asset Location Enquiry

Our ref: Damian Sweeney TEL: 01234759112 or 07712129249

New Roads and Street Works Act 1991- Sections 83, 84,142 and 143 Codes of Practice Appendix C2

In response to your notice regarding works which you, are proposing to undertake.

I can confirm that Traffic*master* does not have equipment installed within the boundary of the works.

If you have any further queries regarding this or any other programme, please do not hesitate to contact me on my details below.

Yours sincerely
For & on Behalf of
Trafficmaster Ltd

Infrastructure Maintenance
plantenquiries@trafficmaster.co.uk

From: Nicole Livie (MK Surveys) [mailto:nicole.livie@mksurveys.co.uk]
Sent: 04 August 2017 12:31
Subject: 24301 - Bartons Road, Havant, Hampshire PO9 STE - Asset Location Enquiry

TUNNELS & PIPELINES

Enquiry Confirmation

LSBUD Ref: 10988130

Date of enquiry: 09/08/2017
Time of enquiry: 19:03

Enquirer

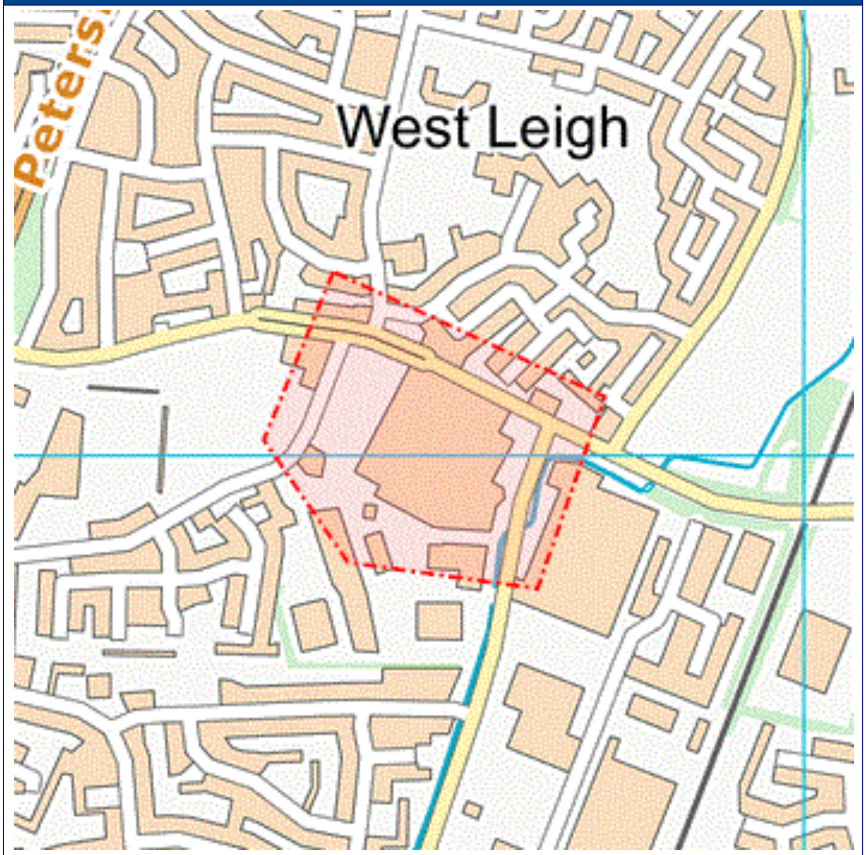
Name	Mrs Nicole Livie	Phone	07843571914
Company	Milton Keynes Surveys LTD	Mobile	07843571914
		Fax	Not Supplied
Address	1 Potters Lane Kiln Farm Milton Keynes Buckinghamshire NN11 3HE		
Email	nicole.livie@mksurveys.co.uk		
Notes	Please ensure your contact details are correct and up to date on the system in case the LSBUD Members need to contact you.		

Enquiry Details

Scheme/Reference	24301		
Enquiry type	Initial Enquiry	Work category	Development Projects
Start date	10/08/2017	Work type	Commercial/industrial
End date	30/11/2017	Site size	74550 metres square
Searched location	XY= 472611, 108024 Easting/Northing	Work type buffer*	25 metres
Confirmed location	472616 108040		

* The WORK TYPE BUFFER is a distance added to your search area based on the Work type you have chosen.

Site Map



V3.3.2 Contains Ordnance Survey data © Crown copyright and database right 2016

Enquiry Confirmation

LSBUD Ref: 10988130

Date of enquiry: 09/08/2017
Time of enquiry: 19:03

Asset Owners

Terms and Conditions. Please note that this enquiry is subject always to our standard terms and conditions available at www.linesearchbeforeudig.co.uk ("Terms of Use") and the disclaimer at the end of this document. Please note that in the event of any conflict or ambiguity between the terms of this Enquiry Confirmation and the Terms of Use, the Terms of Use shall take precedence.

Validity and search criteria. The results of this enquiry are based on the confirmed information you entered and are valid only as at the date of the enquiry. It is your responsibility to ensure that the Enquiry Details are correct, and LinesearchbeforeUdig accepts no responsibility for any errors or omissions in the Enquiry Details or any consequences thereof. LSBUD Members update their asset information on a regular basis so you are advised to consider this when undertaking any works. It is your responsibility to choose the period of time after which you need to resubmit any enquiry but the maximum time (after which your enquiry will no longer be dealt with by the LSBUD Helpdesk and LSBUD Members) is 28 days. If any details of the enquiry change, particularly including, but not limited to, the location of the work, then a further enquiry must be made.

Asset Owners & Responses. Please note the enquiry results include the following:

1. "LSBUD Members" who are asset owners who have registered their assets on the LSBUD service.
2. "Non LSBUD Members" are asset owners who have not registered their assets on the LSBUD service but LSBUD is aware of their existence. Please note that there could be other asset owners within your search area.

Below are three lists of asset owners:

1. LSBUD Members who have assets registered within your search area. ("Affected")
   a. These LSBUD Members will either:
      i. Ask for further information ("Email Additional Info" noted in status). The additional information includes: Site contact name and number, Location plan, Detailed plan (minimum scale 1:2500), Cross sectional drawings (if available), Work Specification.

      ii. Respond directly to you ("Await Response"). In this response they may either send plans directly to you or ask for further information before being able to do so, particularly if any payments or authorisations are required.

2. LSBUD Members who do not have assets registered within your search area. ("Not Affected")

3. Non LSBUD Members who may have assets within your search area. Please note that this list is not exhaustive and all details are provided as a guide only. It is your responsibility to identify and consult with all asset owners before proceeding.

National Grid. Please note that the LSBUD service only contains information on National Grid's Gas above 7 bar asset, all National Grid Electricity Transmission assets and National Grid's Gas Distribution Limited above 2 bar asset.

For National Grid Gas Distribution Ltd below 2 bar asset information please go to www.beforeyoudig.nationalgrid.com

Enquiry Confirmation

LSBUD Ref: 10988130

Date of enquiry: 09/08/2017
Time of enquiry: 19:03

LSBUD Members who have assets registered on the LSBUD service within the vicinity of your search area.

List of affected LSBUD members			
Asset Owner	**Phone/Email**	**Emergency Only**	**Status**
SGN	08009121722	0800111999	Await response

LSBUD Members who do not have assets registered on the LSBUD service within the vicinity of your search area. Please be aware that LSBUD Members make regular changes to their assets and this list may vary for new enquiries in the same area.

List of not affected LSBUD members		
AWE Pipeline	Esso Petroleum Company Limited	Petroineos
BOC Limited (A Member of the Linde Group)	Fulcrum Pipelines Limited	Phillips 66
BP Midstream Pipelines	Gamma	Premier Transmission Ltd (SNIP)
BPA	Gateshead Energy Company	Prysmian Cables & Systems Ltd (c/o Western Link)
Carrington Gas Pipeline	Gigaclear PLC	Redundant Pipelines - LPDA
CATS Pipeline c/o Wood Group PSN	Humbly Grove Energy	RWEnpower (Little Barford and South Haven)
Cemex	IGas Energy	SABIC UK Petrochemicals
Centrica Energy	INEOS Manufacturing (Scotland and TSEP)	Scottish Power Generation
Centrica Storage Ltd	INOVYN Enterprises Limited	Seabank Power Ltd
CLH Pipeline System Ltd	Intergen (Coryton Energy or Spalding Energy)	Shell (St Fergus to Mossmorran)
Concept Solutions People Ltd	Mainline Pipelines Limited	Shell Pipelines
ConocoPhillips (UK) Ltd	Manchester Jetline Limited	SSE (Peterhead Power Station)
DIO (MOD Abandoned Pipelines)	Manx Cable Company	Total (Finaline, Colnbrook & Colwick Pipelines)
Dong Energy (UK) Ltd	Marchwood Power Ltd (Gas Pipeline)	Transmission Capital
E.ON UK CHP Limited	Melbourn Solar Limited	Uniper UK Ltd
EirGrid	National Grid Gas (Above 7 bar), National Grid Gas Distribution Limited (Above 2 bar) and National Grid Electricity Transmission	Vattenfall
Electricity North West Limited	Northumbrian Water Group	Veolia ES SELCHP Limited
ENI & Himor c/o Penspen Ltd	NPower CHP Pipelines	Western Power Distribution
ESP Utilities Group	Oikos Storage Limited	Wingas Storage UK Ltd
ESSAR	Perenco UK Limited (Purbeck Southampton Pipeline)	Zayo Group UK Ltd c/o JSM Group Ltd

Nicole Livie (MK Surveys)

From: Enquiries, Unit <enquiries@environment-agency.gov.uk>
Sent: 05 August 2017 11:42
To: Nicole Livie (MK Surveys)
Subject: FW: 24301 - Bartons Road, Havant, Hampshire PO9 STE - Asset Location Enquiry

Hello,

You may need an environmental permit if you intend to carry out work in, under, over or near to a main river flood or sea defence. You can find more information about this at:

https://www.gov.uk/guidance/flood-risk-activities-environmental-permits

Although the Environment Agency is classed as a statutory undertaker for certain purposes, we do not generally have plant equipment or pipelines situated in the public highway.

We have drafted this reply without conducting a specific search of our records. We ask that you make the necessary checks and if you have reason to think that your proposal will affect land or equipment which we own or is close to a watercourse/sea defence as defined above, please resubmit your enquiry making this clear in your reply.

Kind Regards,

Chris Royle
Customer Service Advisor
Environment Agency – Incident Communication Service
Part of National Operations Services

☎ Tel: 0800 80 70 60
💻 Web Site: www.gov.uk/environment-agency

Click an icon to keep in touch with us:-

From: Nicole Livie (MK Surveys) [mailto:nicole.livie@mksurveys.co.uk]
Sent: 04 August 2017 12:31
Subject: 24301 - Bartons Road, Havant, Hampshire PO9 STE - Asset Location Enquiry